

ARCHITECTURAL SURVEY  
PUUC ARCHAEOLOGICAL REGION  
1984 FIELD SEASON  
VOLUME 4

(REVISED VERSION - 1990)

ARCHITECTURE  
PUBLIC ARCHITECTURE  
FIELD OF STUDY  
1977-8

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**BACKGROUND** Site was first reported by John Lloyd Stephens (1843) who located and described several of the major structures (Palace, Mirador Temple, and Arch). Teobert Maler visited the site in 1886 but his notes and drawings have not yet been published. Edward H. Thompson spent some time at the site in the late 1880's and his work resulted in several publications, which included reports on the architecture, sculpture, and chultuns at the site. During the 1930's, the central portion of the site was cleared and the major buildings consolidated under the auspices of the Instituto Nacional de Antropología e Historia, Mexico, and since that time it has become a major tourist site. Numerous investigators have discussed various aspects of the major buildings and architectural sculptures at Labna, including Mariscal (1928), Marquina (1928, 1951), Pijoan (1946), Proskouriakoff (1946), Reygadas (1928, 1929), Rickards (1910), and Totten (1926). H.E.D. Pollock (1980) published the most extensive coverage of the architecture at Labna to date, based on field work carried out in the late 1930's. I have visited the site on a number of occasions, starting in 1973-74, and the bulk of my data was recorded by the end of 1978. While much of my data tends to duplicate Pollock's, I am presenting it in full below on the grounds that it includes some details which escaped Pollock's notice, and others that have only been revealed by excavation or clearing projects carried out after Pollock's study of the site had been completed.

**SITUATION:** The site is situated about 11.0 kilometers east of Sayil and about 3.5 kilometers south-southeast of the ruins of Sabacche. At the present time it can be reached via a new paved road (Ruta Puuc) which also gives ready access to Sayil and Xlabpak.

**TOPOGRAPHY:** The central portion of the site lies on the floor of a valley which is surrounded by low hills. While the larger buildings are confined to the main group on the valley floor, there are smaller structures near the base of the hills to the south and other structures continuing to the northwest, as far as the Xcanalcruz Group. See Dunning (1987) for further discussion of topography.

**WATER SUPPLY:** There are numerous chultuns in both the main center and peripheral areas (see Thompson, 1897) and Dunning (1987) reports two small aguadas nearby.

**MAPS:** Virtually all published site maps, including those in Andrews (1975) and Pollock (1980) are based on the Thompson-Paige map from 1889. Pollock (1980: 10) refers to an additional unpublished map made by Thompson which includes house-mounds and other small structures not shown on 1889 map.

**SIZE:** The main group at the site center covers an area about three hundred meters north-south and two hundred meters east-west. In addition, a fairly heavy concentration of building remains continues for another two hundred meters to the south and the South Group is found about seven to eight hundred meters southwest of the main center. Dunning (1987) reports an almost continuous succession of small platform groups between the Main Group and the Xcanalcruz Group, the latter group marking the northern edge of the site. He also gives total settlement area as 2.2 square kilometers and Rank as 3 (III).

**CIVIC PLAN:** I have discussed the organization of the main center in some detail in an earlier publication (Andrews, 1975) which need not be repeated here. Pollock (1980) included a brief supplementary discussion of civic plan and Dunning (1987) emphasizes the suburban areas and the "sprawl" of small structures outside the Main Center.

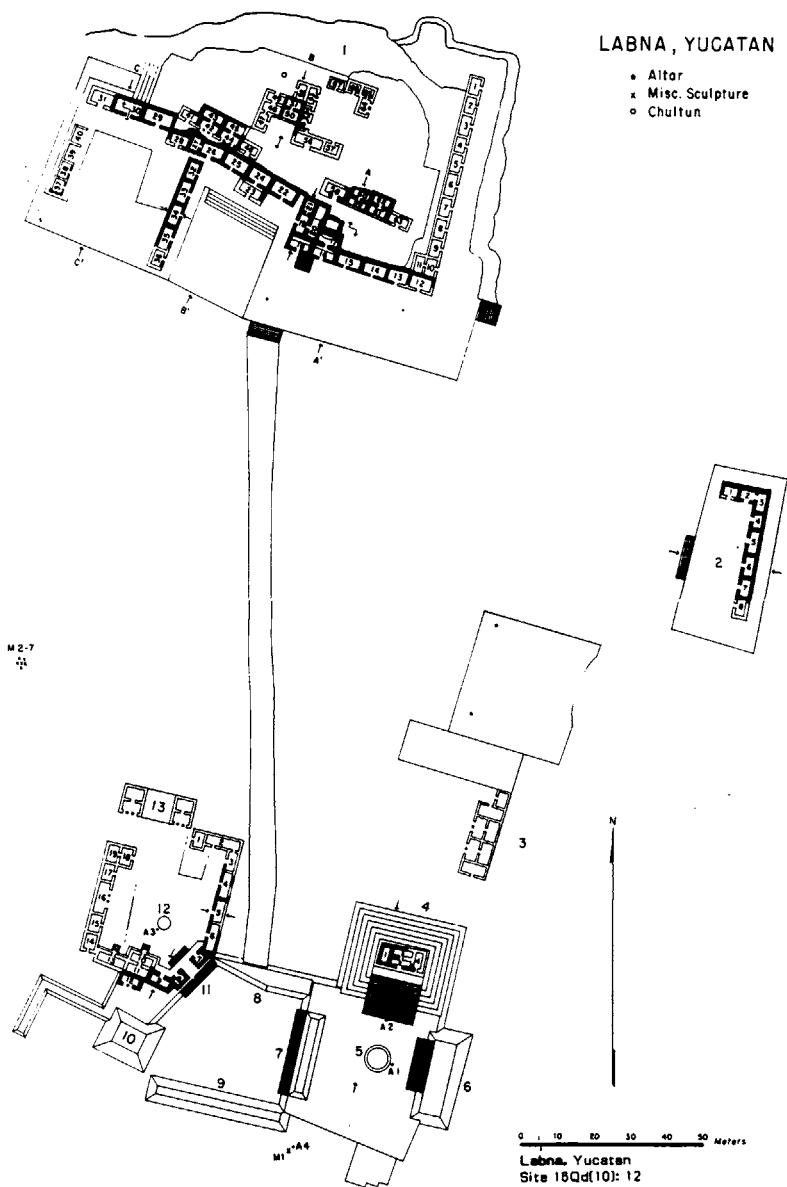
**COMMENTS:** The fact that Labna has received a considerable amount of attention in the literature is largely an accident of exploration and preservation. Public interest in the site was first aroused by Stephens over one hundred and fifty year ago and many students and scholars first became interested on the basis of Thompson's investigations near the end of the last century. Both the Palace (Structure 1) and the Arch (Structure 11) are outstanding examples of the classic Puuc Mosaic architectural style and are sufficiently well preserved to offer both scholars and tourists a fascinating view of Puuc architecture in general and the Puuc Mosaic style in particular. While the paved road to the doorstep of Labna is of very recent vintage, it was accessible for many years to the more adventurous visitors who first arrived with local guides in Model T and Model A Fords, and later in Jeeps, over a very

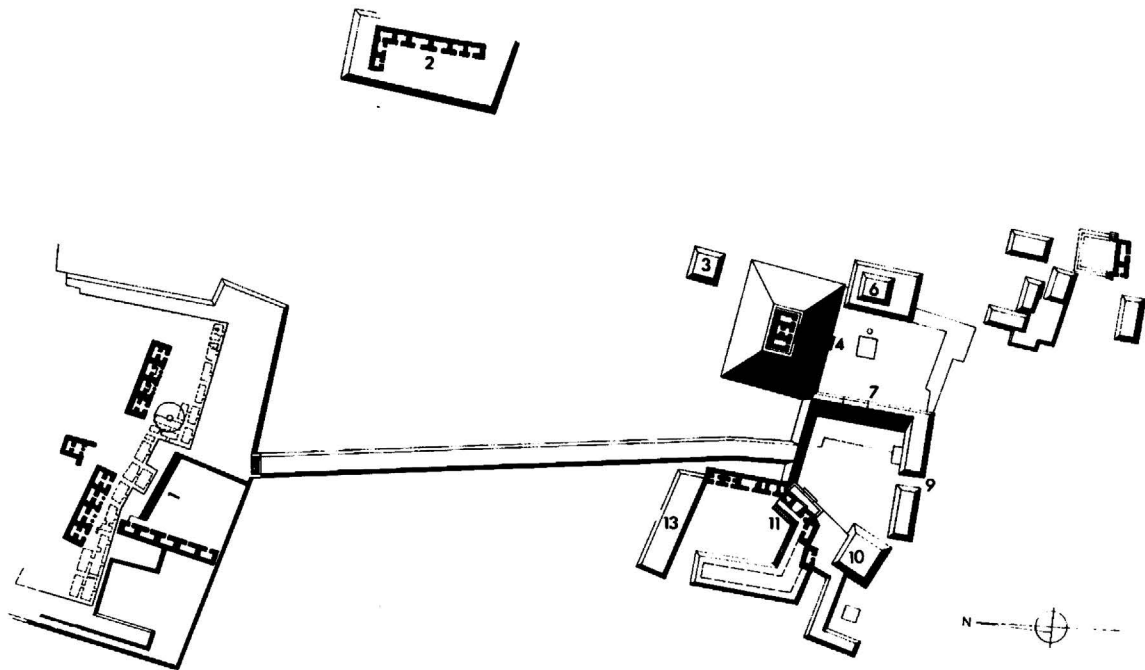
rocky dirt track commencing near Kabah. What is still missing from all of this, however, are some serious archaeological investigations, which might help to place Labna into proper historical perspective, relative to the Puuc florescence as a whole.



# LABNA, YUCATAN

- Altar
- x Misc. Sculpture
- o Chultun





LABNA

YUCATAN MEXICO

SCALE 0 10 20 30 40 50 60 70 80 90 100 METERS

**STRUCTURE I**

Structure I is a very large architectural complex with a total of sixty-seven rooms on two levels. As is the case in other Puuc structures, the rooms on the lower level are not in the form of a free-standing building; instead, Rooms 1-31 form the outer edges of a large, irregularly shaped raised terrace and the roof of these rooms is roughly even with the top of the terrace behind (see plan). In part, the upper terrace is built on top of a natural hill or rise of ground, and the natural ground level is only about 1.5 meters below the top of the terrace at its northern edge while the main plaza to the south is at least 7.5 meters below the level of this terrace. In addition to the rooms at the edge of the terrace, there are two additional sets of free-standing rooms on the lower level, both of which are single rows of rooms with their long axes at right angles to the rooms to the north at the edge of the terrace. One of these structures, which has five rooms in line (Rooms 32-36), is situated in front of Rooms 26 and 27 of the Central Section and is called the South Wing. The other, which has four rooms (Rooms 37-40), is in front of Room 31 and is called the Southwest Wing.

The rooms on the upper level, which are divided into four separate structures, cannot really be considered as a "second story" of Structure I, since they are completely independent of the rooms on the lower level and may not even be contemporary with them. Pollock (1980: 10) recognized this dilemma but finally decided to treat all the rooms on both levels as part of a single structure which he designated as Structure I. For purposes of description and discussion, however, Structure I can be broken down into its basic components as described below:

**ROOMS ON LOWER LEVEL**

1. Northeast Wing - Rooms 1-11
2. East Wing - Rooms 12-21
3. Central Section, East Rooms - Rooms 22-25
4. Central Section, West Rooms - Rooms 26-28
5. West Wing - Rooms 29-31
6. South Wing - Rooms 32-36
7. Southwest Wing - Rooms 37-40

## ROOMS ON UPPER LEVEL

1. West Wing - Rooms 41-46
2. Center Wing - Rooms 47-57
3. East Wing - Rooms 58-63
4. North Wing - Rooms 64-67

Without a considerable amount of excavation, it is impossible to tell how many construction phases are represented by the eleven components outlined above or what construction sequence was followed. In spite of this, some general observations about the relative chronology of the various components can be made.

1. Rooms 1-11 (Northeast Wing) may represent the last construction phase of Structure I since it seems clear that these rooms were never finished, as there is no debris from fallen vaults. This suggests that all building activity at the site had ceased before these rooms could be completed.

2. Rooms 12-21 (East Wing) appear to have been built initially as an independent unit, since it can be seen that the rear wall of Room 21 is actually an exterior wall and the walls and moldings on the north side ran eastward for some distance (see detail). This means that at one time, there must have been some open space north of the north wall of Room 21, which was later filled in to the height of the present terrace.

3. Rooms 22-25 (Central Section, East Rooms) are not connected directly to the East Wing, and must represent a separate construction phase. At some point in time, Room 22 was joined to Room 21 with the erection of a wall at the northern end of these rooms and by the addition of a small section of a vault which rests on top of the medial moldings of the two adjacent rooms (see plan and photos).

4. Rooms 26-28 (Central Section, West Rooms) appear to have been built after Rooms 22-25 had been completed, since the east wall of Room 26 is actually the original west exterior wall of Room 25 and part of the base and medial moldings of the exterior wall of Room 25 are still visible on the east wall of Room 26. In addition, the front wall of Rooms 26-28 changes direction at the point where it meets Room 25 (see plan).

5. Rooms 29-31 (West Wing) appear to be secondary to Rooms 26-28 and the floor level of the former is about 1.37 meters below the floor level of the latter (see detail). Terrace to north extends only to center of Room 30, leaving western half of this room and all of Room 31 exposed on north side.

6. Rooms 32-36 (South Wing) form a separate building, whose floor level is nearly 2.0 meters below the floor level of Rooms 22-28 to the north. This structure is executed in the Early Puuc style, suggesting that it predates any of the other rooms on the lower level (Rooms 1-31), all of which were executed in the later Puuc Mosaic style. The South Wing may be contemporary with the Center Wing on the upper level (Rooms 47-57) which was also executed in the Early Puuc style.

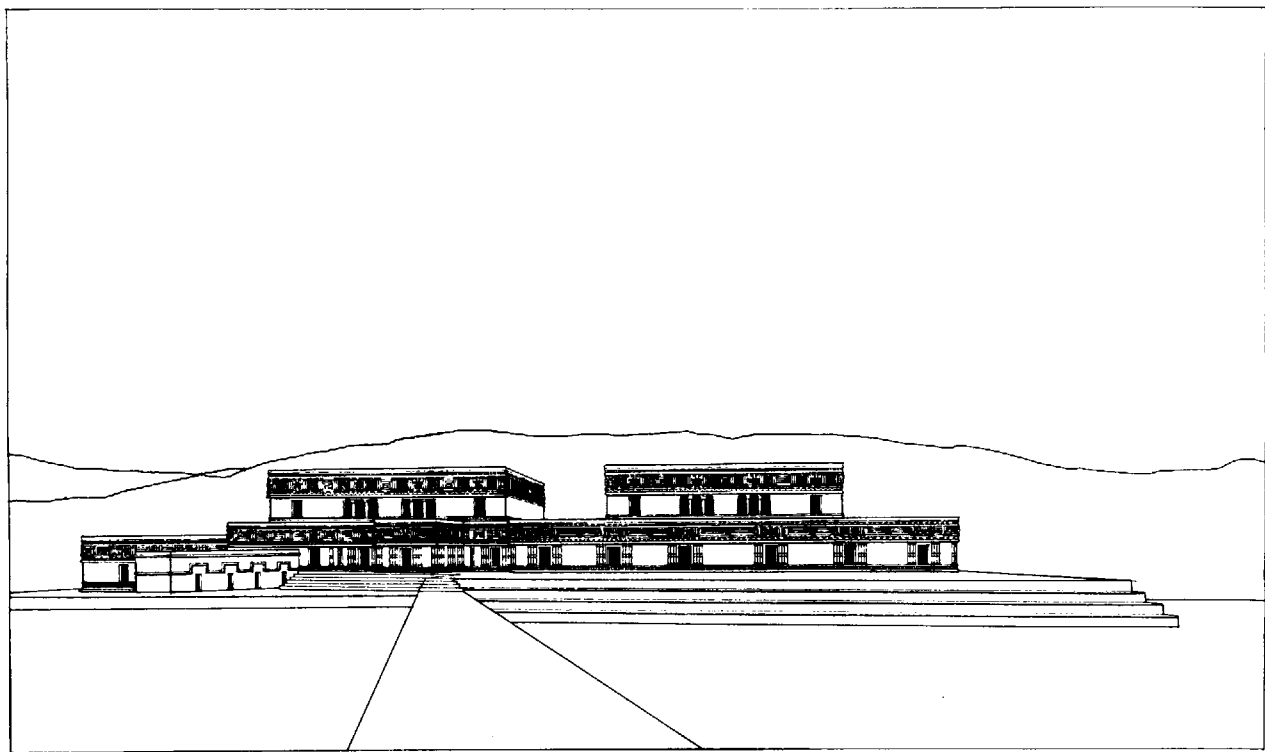
7. West Wing (Rooms 41-46) and East Wing (Rooms 58-63) on upper level have nearly identical floor plans and similar architectural details, suggesting that they are contemporary, although the West Wing may not have been built until Rooms 22-28 on lower level had all been completed.

8. Center Wing (Rooms 47-57) on upper level may well represent the earliest construction on this level. This premise is based on the fact that Rooms 50 and 51, and presumably the balance of the rooms in this structure, were executed in the Early Puuc style, in contrast to the later Mosaic style employed in the West and East Wings. The entrance to Room 50, which has round columns in doorway, has a medial molding which breaks up over the doorway, a typical Early Puuc detail. Similar forms can be seen in the "broken" molding over the doorways to Rooms 33-35 of the South Wing, lower level.

9. The North Wing on upper level (Rooms 64-67) is now fallen and there is no basis for estimating its age in relation to the other structures on this level.

10. Room-like chultun with opening in upper terrace is situated just behind Room 17 on lower level, and may have been constructed at the same time that the terrace behind west part of East Wing on lower level was built. This chultun has been repaired, and as of 1974 was the sole source of water for the caretaker living at the site.

See Pollock (1980: 29-31) for further discussion of secondary construction and building sequence.



Labna, Yucatan - View of Structure 1 (Palace) from south end of causeway

**STRUCTURE I** Lower Level, East Wing (Rooms 12-18)

**GENERAL DESCRIPTION:** Long set of seven rooms at south edge of large terrace supporting upper level rooms of Structure I. Projecting stairway to upper level between doorways to Rooms 16 and 18 (see plan). Rooms 12-14 mostly fallen but Rooms 15-18 fairly well preserved. Doorways face south, overlooking broad terrace in front.

**ORIENTATION:**

**EXTERIOR DETAILS:** Details below are for south facade of Rooms 12-18.

**BASE MOLDING:**

Form: Three members. Rectangular members top and bottom. Recessed central member filled with short colonnettes.

Size: Overall height .78 m. Upper member .16 m. high, central member .39 m. high. Lower member .24 m.

Projection: .08 m. at top.

Other: Sculptured head in central member of base at southwest corner.

**LOWER WALL ZONE:**

Height: 2.11 m. top of base to bottom of medial molding.

Stonework: Wall faced with 6 courses of veneer-type blocks, varying in size, set in somewhat uneven courses.

Thickness: South walls, .57 m. thick at doorjambs.

Decoration: Groups of 3 plain colonnettes adjacent to both jambs of doorways. Group of 3 colonnettes with spools top, bottom, and center, at southwest corner of Room 18.

**DOORWAYS:**

Shape: Rectangular

Jambs: Faced with large slabs, full thickness of walls.

Lintels: Stone lintels, .27 to .33 m. thick.

#### **MEDIAL MOLDING:**

Form: Three members. Apron-type lower member, rectangular member at top. Recessed central member carrying T-frets.

Size: Overall height .54 m. Upper member .14 m. high, central member .24 m. high.

Projection: .24 m. at bottom.

Decoration: Projecting stone rosettes in face of upper member. Additional smaller rosettes carved in face of upper member (see photos and details). Continuous row of small T-frets in central member.

#### **UPPER WALL ZONE:**

Height: .98 m. top of medial molding to bottom of cornice.

Stonework: See "Decoration" below.

Decoration: Large, long-nosed mask at southwest corner of Room 18 with special "serpent jaw" motif (see photos & details). Balance of upper wall zone filled with very elongated versions of "geometric masks". See Andrews (1985) for discussion of geometric masks.

#### **CORNICE:**

Form: Four members. Lower 3 members same as medial molding with addition of outward sloping coping member at top.

Size: Lower 3 members about .56 m. high overall.

Projection: About .15 m. at bottom.

Decoration: Continuous row of T-frets in next to lowest member.

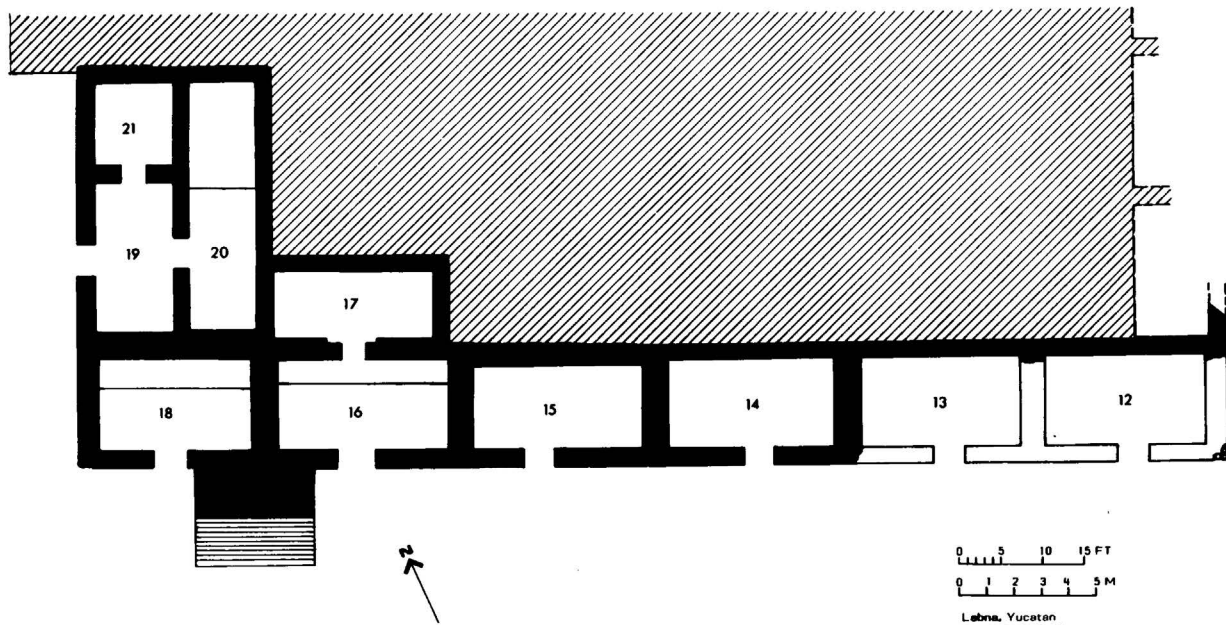
**ROOF STRUCTURE:** See separate descriptions and data for rooms on upper level.

**STAIRWAY:** Stairway to roof between doorways to Rooms 18 and 16 (see plan). Stairway about 4.43 m. wide, with treads about .21 m. wide and risers .27 m. high. Stairway is secondary to rooms on this side as facade of Rooms 16 and 18 continues on behind stairway.

**ARCHITECTURAL STYLE:** Classic Puuc Mosaic style.

**COMMENTS:** All details, both interior and exterior, are typical for Puuc Mosaic style.





La Brea, Yucatan  
 Site 18Qd10: 12  
 Structure I, Lower Level,  
 East Wing  
 G.F. Andrews, 1978

**SITE:** LABNA

**NUMBER:** 16Qd(10): 12

**DATE:** 3/1/1978

**STRUCTURE I** (Lower Level)

**INTERIOR DETAILS: NORTHEAST WING**

**ROOMS 1 - 11**

I have no data on these rooms, which apparently were never finished. See Pollock (1980:11) for brief description and discussion of these rooms.

**EAST WING** (Rooms 12 - 18)

**ROOM 12**

Length: 5.90 m.

Width: 3.34 m. (approx.)

Walls: East end wall .76 m. thick. Dividing wall to Room 13 is .94 m. thick.

Comments: Front wall and vault completely fallen.

**ROOM 13**

Length: 5.85 m.

Width: 3.34 m. (approx.)

Walls: Dividing wall to Room 14 is 1.03 m. thick.

Comments: Front wall and vault completely collapsed.

**ROOM 14**

Length: 6.19 m.

Width: 3.34 m.

Walls: Dividing wall to Room 15 is .91 m. thick.

Doorway: Exterior doorway 1.16 m. wide.

Comments: All details of this room almost identical to those seen in Room 15.

**ROOMS 15 and 16** - See separate data sheet.

**ROOM 17**

Length: 5.92 m.

Width: 2.50 m.

Walls: Dividing wall to Room 16 is .58 m. thick.

Doorway: Doorway to Room 16 is .91 m. wide. See detail of recess, north side.

**ROOM 18** - See separate data sheet.

**STRUCTURE I (Lower Level)****INTERIOR DETAILS: Room 15 (East Wing)****DIMENSIONS:**

Length: 6.25 m.

Width: 3.11 m.

**WALLS:**

Height: 2.18 m., floor to springline.

Thickness: Front wall .59 m. thick at doorjamb. Dividing wall to Room 16 is .91 m. thick.

Stonework: Walls faced with veneer-type blocks, moderately well-cut.

Doorways: Exterior doorway 1.15 m. wide. Stone lintel above. .42 m., bottom of lintel to springline.

Rod Sockets: Single rod sockets in both doorjamb .30 m. above floor. .17 m. from face of inside wall. None visible at top.

Cordholders: Three finger-type cordholders both sides of doorway. .20 m. to center from jambs. Upper holders set .05 m. below bottom of lintel. Second set is .40 m. below; third set is .86 m. below second.

Wall Openings: None noted.

Platforms: None.

**VAULTS:**

Springline Offset: About .06 m.

Height: 1.83 m., springline to bottom of capstone molding.

Form: Vault faces show moderate curvature.

Stonework: Vault faced with wedge-shaped, specialized stones with beveled faces.

Capstones: Capstone span varies - .40 to .51 m.

Crossbeams: Single crossbeams .33 m. from end walls. .17 m. to center below springline. Three additional crossbeams just below capstone molding.

**SITE:** LABNA

**NUMBER:** 16Qd10: 12

**DATE:** 0. 3/1/1978

**STRUCTURE I (Lower Level)**

**INTERIOR DETAILS:** Room 16 (East Wing)

**DIMENSIONS:**

Length: 6.33 m.

Width: 3.35 m.

**WALLS:**

Height: 2.19 m. floor to springline.

Thickness: Dividing wall to Room 18 is .91 m. thick.

Stonework: Walls faced with veneer-type blocks, moderately well-cut.

Doorways: Exterior doorway 1.42 m. wide. Stone lintel above. .47 m., bottom of lintel to springline. Doorway in dividing wall to rear room (Room 17) .91 m. wide.

Rod Sockets: No data.

Cordholders: Finger-type cordholders high and low, both sides of doorway.

Wall Openings: None noted.

Platforms: Large platform across rear wall, .80 m. deep, .27 m. high. Floor of rear room (Room 17) even with top of this platform.

**VAULTS:**

Springline Offset: Varies - .06 to .10 m.

Height: 1.87 m., springline to bottom of molding below capstones.

Form: Vault faces have moderate curvature.

Stonework: Vault faced with wedge-shaped, specialized stones with beveled faces.

Capstones: No data.

Crossbeams: Single crossbeams near both ends of room, .51 m. to center from end walls, .23 m. to center below springline. Three additional crossbeams about .71 m. below capstone molding.

**SITE: LABNA**

**NUMBER: 16Qd(10): 12**

**DATE: 3/1/1978**

**STRUCTURE I (Lower Level)**

**INTERIOR DETAILS: Room 18 (East Wing)**

**DIMENSIONS:**

Length: 5.71 m.

Width: 3.44 m.

**WALLS:**

Height: 2.30 m., floor to springline.

Thickness: West end wall .79 m. thick. Front wall .58 m. thick at doorjamb.

Stonework: Walls faced with veneer-type blocks, moderately well-cut.

Doorways: Exterior doorway 1.32 m. wide. Stone lintel above. .51 m., bottom of lintel to springline.

Rod Sockets: Small rodsockets in both doorjambs, one high, two below. Spacing same as in adjacent rooms.

Cordholders: Finger-type cordholders high and low, both sides of doorway.

Wall Openings: None noted.

Platforms: Large bench or platform at rear of room, 1.01 m. deep, .27 m. high.

**VAULTS:**

Springline Offset: About .06 m.

Height: 1.88 m., springline to bottom of molding below capstones.

Form: Vault faces have medium curvature.

Stonework: Vault faced with wedge-shaped, specialized stones with beveled faces.

Capstones: Capstone span about .33-.38 m.

Crossbeams: No data.

**STRUCTURE I LOWER LEVEL, EAST WING (Rooms 19-21)**

**GENERAL DESCRIPTION** Suite of three rooms at west end of East Wing. Only Room 19 has exterior doorway, which faces west (see plan). Details of west facade in front of these rooms differs from facade of Rooms 12-18, as shown below.

**ORIENTATION:** Main facade faces west.

**EXTERIOR DETAILS** Details below are for west facade of Rooms 18, 19 and 21.

**BASE MOLDING:**

Form: Three members. Rectangular members top and bottom; recessed central member filled with short colonnettes.

Size: .78 m. high overall. Upper member .16 m. high, central member .39 m. high.

Projection: .08 m. at top.

**LOWER WALL ZONE:**

Height: 2.14 m., top of base to bottom of medial molding.

Stonework: Wall faced with 5 courses of veneer-type blocks, only moderately well-finished.

Thickness: West wall .58 m. thick at doorway to Room 19.

Decoration: Groups of 3 long colonnettes with spools at top, bottom and center at both southwest and northwest corners. Groups of 3 plain colonnettes both sides of doorway to Room 19.

**DOORWAYS:**

Shape: Jams have slight inward slope from bottom to top.

Jams: Faced with large slabs, full thickness of wall.

Lintels: Stone lintel, .38 m. thick.

**MEDIAL MOLDING:**

Form: Three members. Apron-type lower member, rectangular member at top., Recessed central member filled with T-shaped frets.

Size: .54 m. high overall. Upper member .14 m. high, central member .24 m. high.

Projection: .33 m. at bottom.

Decoration: Projecting rosettes in upper member (see photos). Continuous row of Double T-frets in central member. Frets about .24 m. on centers.

#### **UPPER WALL ZONE:**

Height: .98 m., top of medial molding to bottom of cornice.

Stonework: See "Decoration" below.

Decoration: Upper wall zone completely filled with mosaic decorative forms, including large mask of special design over doorway to Room 19, large corner mask with serpent head below, latticework, "geometric mask" motifs and one-half of standing human figure (see photos and details).

**CORNICE:** Cornice almost completely fallen. Assume 4 member molding; lower 3 members same as medial molding with addition of outward sloping coping member at top.

**ROOF STRUCTURE:** See separate descriptions and data for rooms on upper level.

**ARCHITECTURAL STYLE:** Classic Puuc Mosaic style.

**COMMENTS:** a) Decorative elements in upper wall such as standing figure and projecting mouth of long-nosed mask over doorway to Room 19 somewhat unusual, as is serpent-mouth with human head at south west corner. b) Large step in front of doorway to Room 19 has decorated face, featuring zig-zag elements and triangles (see photos).



## STRUCTURE I, EAST WING

### INTERIOR DETAILS: Rooms 19-21

ROOM 19- See separate data sheet.

#### ROOM 20

Length: 9.16 m.

Width: 2.51 m.

Walls: Dividing wall to Room 19 is .58 m. thick.

Doorway: Doorway to Room 19 is 1.14 m. wide.

Other: Raised floor in north end of room, 3.93 m. deep, .54 m. high.

ROOM 21 - See separate data sheet.

SITE: LABNA

NUMBER: 16Qd(10): 12

DATE: 3/2/1978

**STRUCTURE I LOWER LEVEL**

**INTERIOR DETAILS:** East Wing - Room 19

**DIMENSIONS:**

Length: 5.58 m.

Width: 2.81 m.

**WALLS:**

Height: 2.23 m. (approx.) floor to springline.

Thickness: Dividing wall to Room 21 is .58 m. thick. Front wall .58 m. thick.

Stonework: Walls faced with veneer-type blocks, somewhat roughly dressed.

Doorways: Exterior doorway 1.27 m. wide at bottom, 1.22 m. at top. Doorway in rear wall (to Room 20) 1.62 m. high, 1.14 m. wide. Doorway in north end wall (to Room 21) .87 m. wide. Plaster molding at edge of doorjamb to rear room .07 m. wide.

Rod Sockets: Small rod sockets in both doorjambs, one high, two below. Upper socket .15 m. below lintel and .15 m. from inside face of wall. Lower sockets .30 m. above floor, .15 m. to center from inside face of wall.

Cordholders: No data.

Wall Openings: None noted.

Platforms: None.

Other: Moldings with slight projection at bottom of north end wall and rear wall. Raised floors to rooms behind at top of these moldings.

**VAULTS:**

Springline Offset: About .06 m.

Height: 1.38 m., springline to bottom of molding below capstones.

Form: Vault faces show moderate curvature.

Stonework: Vault faced with wedge-shaped, specialized stones with beveled faces.

Capstones: Capstone span .46-.51 m.

Crossbeams: Single crossbeams near both ends of room, .23 m. to center below springline. Three additional crossbeams high in vault, about .61 m. below capstone molding.

**SITE:** LAENA

**NUMBER:** 16Qd(10) 12

**DATE:** 3/1/1978

**STRUCTURE I LOWER LEVEL**

**INTERIOR DETAILS:** East Wing - Room 21

**DIMENSIONS:**

Length: 3.13 m.

Width: 2.79 m. (approx.)

**WALLS:**

Height: 1.67 m., floor to springline at north end and side walls. Springline is .23 m. higher above doorway in south wall.

Thickness: Dividing wall to Room 19 is .58 m. thick.

Stonework: Walls faced with veneer-type blocks, only moderately well-dressed.

Doorways: Doorway in south end wall (to Room 19) .87 m. wide, 1.65 m. high, .30 m. bottom of lintel to springline.

Rod Sockets: None.

Cordholders: No data.

Wall Openings: None noted.

Platforms: None.

Other: Floor of this room raised .30 m. above floor of Room 19.

**VAULTS:**

Springline Offset: No data.

Height: 1.52 m. springline to bottom of capstone molding, rear and side walls.

Form: Vault faces show moderate curvature.

Stonework: Vault faced with wedge-shaped, specialized stones with beveled faces.

Capstones: Capstone span about .46 m. Molding below capstones .12 m. high.

Crossbeams: No data.

**SITE:** LABNA

**NUMBER:** 16Qd(10): 12

**DATE:** 3/2/1978

**STRUCTURE I Lower Level, Central Section, East Rooms(Rooms 22-25)**

**GENERAL DESCRIPTION:** Group of four rooms near center of Structure I, which appear to represent a separate phase of construction. Three rooms in line at south edge of upper terrace, with an additional projecting room in front of central room (see plan). Doorways on south side, overlooking shallow terrace with stairway on south side leading to larger terrace below. Projecting central room (Room 23) now mostly fallen.

**ORIENTATION:** Main facade faced south.

**EXTERIOR DETAILS:** Details below are for south facade of Rooms 22 and 25.

**BASE MOLDING:**

Form: Four members. Rectangular lower member, recessed member above with groups of short colonnettes. Apron-type third member and rectangular member at top.

Size: Upper three members .62 m. high overall. Upper member .15 m. high, apron-type member below .20 m. high.

Projection: .06 m. at top.

**LOWER WALL ZONE:**

Height: 2.18 m., top of base to bottom of medial molding.

Stonework: Where plain, wall faced with 6-7 courses of veneer-type blocks, varying in size.

Thickness: Front wall .57 m. thick at doorjambs.

Decoration: Groups of 3 long colonnettes with spools top, bottom and center, both sides of doorway to Rooms 22 and 25. Groups of 3 colonnettes (with spools) at southeast corner of Room 22 and southwest corner of Room 25. Panels with mat design bordered by projecting rectangular frame in facades in front of Rooms 22 and 25 (see photos and details).

**DOORWAYS:**

Shape: Rectangular.

Jambs: Faced with large slabs, full thickness of wall.

Lintels: Stone lintels, .25-.27 m. thick.

#### **MEDIAL MOLDING:**

Form: Three members. Apron-type lower member, rectangular member at top. Central member filled with inward sloping colonnettes.

Size: Overall height .54 m. Upper member .14 m. high, central member .20 m.

Projection: .33 m. at bottom.

Decoration: Continuous row of small colonnettes in central member.

#### **UPPER WALL ZONE:**

Height: 1.09 m., top of medial molding to bottom of cornice.

Stonework: Where plain, wall faced with 3 courses of moderately well-cut veneer-type blocks.

Decoration: Decorative motifs include simplified long-nosed masks over doorways and at outside corners of Rooms 22 and 25, pairs of colonnettes with spools top and bottom, and large frets (see photos and details).

#### **CORNICE:**

Form: Four members. Lower three members same as medial molding plus addition of outward sloping coping member at top.

Size: Lower three members .53 m. high total.

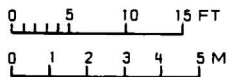
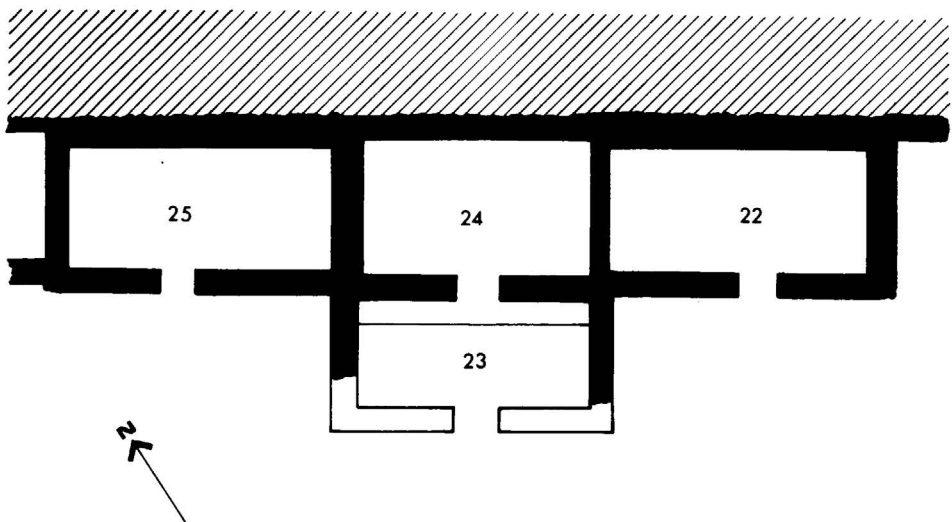
Projection: About .18 m. at bottom.

Decoration: Continuous row of short colonnettes in next to lowest member.

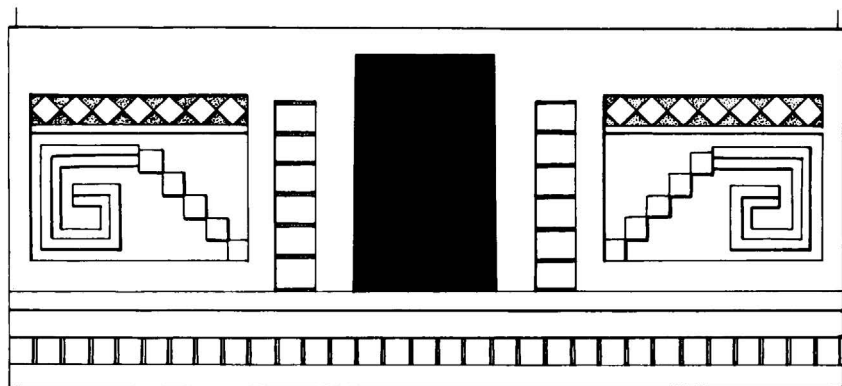
**ROOF STRUCTURE:** See separate descriptions and data for rooms on upper level.

**ARCHITECTURAL STYLE:** Classic Puuc Mosaic style.

**COMMENTS:** I assume south facade of Room 23 (now fallen) was similar to those of adjacent Rooms 22 and 25.



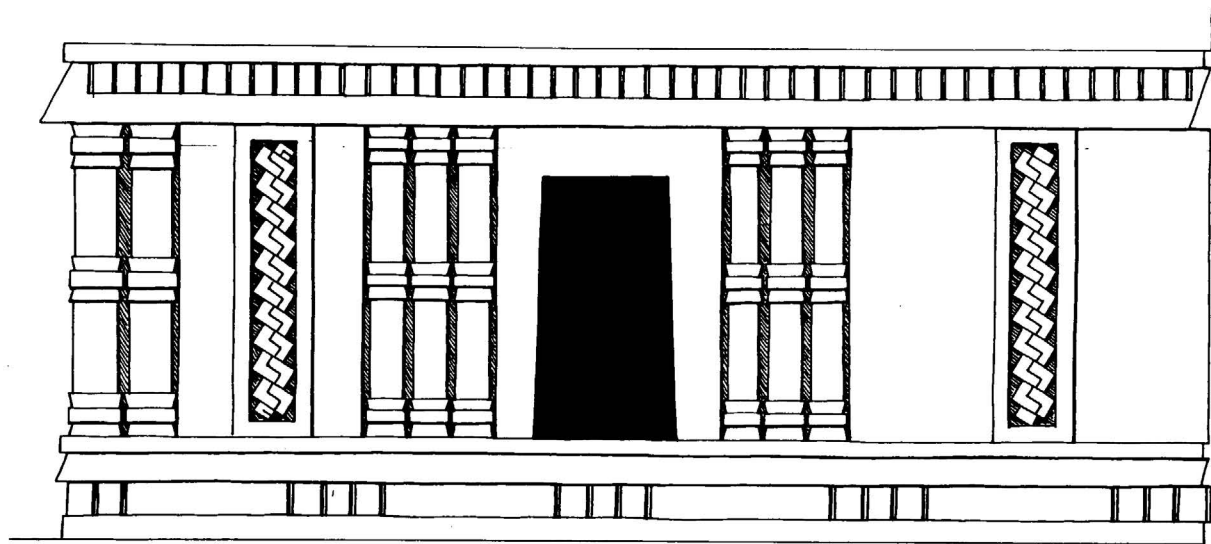
Labna, Yucatan  
 Site 16Qd(10): 12  
 Structure 1, Lower Level,  
 Central Section  
 G.F. Andrews, 1978



South Elevation, rear wall of Room 24



Labna, Yucatan  
 Site 16Qd(10): 12  
 Structure 1,  
 Lower Level  
 G.F. Andrews, 1978



South Elevation, Room 25 (Room 22 similar)

0 5 1 2M

Labna, Yucatan  
 Site 16Qd(10): 12  
 Structure 1, Lower level  
 G.F. Andrews, 1978



**SITE:** LABNA

**NUMBER:** 16Qd(10) 12

**DATE:** 3/1/1978

**STRUCTURE I**

**INTERIOR DETAILS:** Central Section, Eastern Rooms (Rooms 22-25)

**ROOM 22** - See separate data sheet.

**ROOM 23**

Length: 6.17 m.

Width: No data - front wall fallen.

Walls: East end wall .57 m. thick. West end wall .70 m. thick. Dividing wall to rear room .58 m. thick.

Platform: Platform at rear of room, .63 m. deep. Top of platform in floor of Room 24.

Decoration: Rear wall covered with geometric mosaic-type sculpture - see details.

Comments: Front wall, west end wall, and vault completely collapsed.

**ROOM 24** - See separate data sheet.

**ROOM 25** - See separate data sheet.

## STRUCTURE I Lower Level

INTERIOR DETAILS: Central Section, East Wing. Room 22

## DIMENSIONS:

Length: 6.99 m.Width: 3.34 m.

## WALLS:

Height: 2.31 m., floor to springline.Thickness: East end wall .72 m. thick.Stonework: Walls faced with veneer-type blocks, moderately well-cut.Doorways: Exterior doorway .96 m. wide. Stone lintel above, .23 m. thick. .43 m. bottom of lintel to springline.Rod Sockets: Small rod sockets in both doorjambs, one high, two below. Upper socket .16 m. below lintel, .30 m. from inside face of wall. Lower sockets .30 m. above floor, .27 m. to center.Cordholders: Finger-type cordholders high and low, both sides of doorway from face of wall, .33 m. to jambs. Upper holders .33 m. below springline. Lower holders .33 m. above floor.Rings: None.Wall Openings: None.Platforms: None.

## VAULTS:

Springline Offset: About .06 m.Height: 1.57 m., springline to bottom of molding below capstones.Form: Vault faces show moderate curvature.Stonework: Vault faced with wedge-shaped, specialized stones with beveled faces, only moderately well-cut.Capstones: Capstone span about .46 m.Crossbeams: Single crossbeams near both ends of room, just below springline. Three additional crossbeams high in vault, about .17 m. below capstone molding.

**SITE:** LABNA

**NUMBER:** 16Qd(10): 12

**DATE:** 3/1/1978

**STRUCTURE I Lower Level**

**INTERIOR DETAILS:** Central Section, East Wing. Room 24

**DIMENSIONS:**

Length: 6.18 m.

Width: 3.55 m.

**WALLS:**

Height: Not recorded.

Thickness: Dividing wall to front room (Room 23) .57 m. thick at doorjamb.

Stonework: Walls faced with small, veneer-type blocks, varying some in size. Faces only moderately well-dressed.

Doorways: Doorway in dividing wall to Room 23 (front room) 1.14 m. wide. .46 m. bottom of lintel to springline.

Rod Sockets: None.

Cordholders: Finger-type cordholders high and low, both sides of doorway.

Wall Openings: None noted.

Platforms: None.

**VAULTS:**

Springline Offset: About .06 m.

Height: 1.80 m., springline to bottom of capstone molding at rear and end walls. Springline at front wall is .21 m. higher than springline at end and rear walls.

Form: Vault faces show moderate curvature.

Stonework: Vault faced with wedge-shaped, specialized stones with beveled faces, only moderately well-dressed.

Capstones: Capstone span .86 m. Molding below capstones .10 m. high.

Crossbeams: Single crossbeams near both ends of room, .15 m. to center below springline. Three additional crossbeams high in vault, .15 m. to center below capstone molding.

SITE: LABNA

NUMBER: 16Qd(10): 12

DATE: 3/1/1978

STRUCTURE I Lower Level

INTERIOR DETAILS: Central Section, East Wing. Room 25

DIMENSIONS:

Length: 7.07 m.

Width: 3.28 m.

WALLS:

Height: 2.40 m., floor to springline.

Thickness: Exterior wall .58 m. thick.

Stonework: Walls faced with veneer-type blocks, only moderately well-finished. First course of wall stones below springline slightly recessed.

Doorways: Exterior doorway .92 m. wide. Stone lintel above, .25 m. thick. .46 m. bottom of lintel to springline.

Rod Sockets: No data.

Cordholders: Three finger-type cordholders both sides of doorway. One is .025 m. below lintel. Second is .56 m. below, third .91 m. lower. .46 m. to center from jambs. Cordholder in west end wall, .63 m. above floor.

Rings: Pair of stone rings in front wall, .68 m. from doorjambs. Center of rings even with bottom of lintel over doorway.

Wall Openings: None noted.

Platforms: None.

Other: Stone "feet" in front wall, .91 m. to center from doorjambs, .23 m. to bottom below springline. Face of foot .20 m. high, .12 m. wide.

VAULTS:

Springline Offset: .07 m.

Height: 1.55 m., springline to bottom of molding below capstones.

Form: Vault faces show slight curvature.

Stonework: Vault faced with wedge-shaped, specialized stones with squarish, beveled faces.

Capstones: Capstone span varies - .46 to .71 m., and capstone molding forms very irregular line.

Crossbeams: Single crossbeams near both ends of room, just below springline. Additional crossbeams at bottom of second course of vault facing stones.

**SITE:** LABNA

**NUMBER:** 16Qd(10): 12

**DATE:** 3/1/1978

**STRUCTURE:** Central Section, Westernmost Rooms (Rooms 26-28)

**GENERAL DESCRIPTION:** Group of three rooms in line, at southern edge of upper terrace of Structure I. Facade of these rooms changes direction at the point where east end of Room 26 meets west end of Room 25 (see plan). Floor level of these rooms at same height as rooms to east (Rooms 22-25). Note that Room 27 of this group is interior room, with doorway opening into adjacent Room 26.

**EXTERIOR DETAILS:** Exterior details of these rooms very similar to those seen in adjacent West Wing (Rooms 29-31). See West Wing for data.

**INTERIOR DETAILS:** Central Section, Western Rooms

**ROOM 26** - See separate data sheet

**ROOM 27** - See separate data sheet

**ROOM 28**

Length: 5.28 m.

Width: 3.41 m. (approx.)

Doorway: Exterior doorway .94 m. wide.

**INTERIOR DETAILS:** Room 26

**DIMENSIONS:**

Length: 6.10 m.

Width: 3.40 m.

**WALLS:**

Height: 2.25 m., floor to springline.

Thickness: Dividing wall to Room 27 is .90 m. thick. Front wall .58 m. thick.

Stonework: Walls faced with veneer-type blocks, only moderately well-finished. First course of wall stones below springline slightly recessed.

Doorways: Exterior doorway 1.47 m. wide. Doorway in west end wall (to Room 26) 1.23 m. wide.

Rod Sockets: Single rod sockets high and low in both jambs, .25 to center from inside face of wall. Lower socket .32 m. above floor, 1.24 m. to center of upper socket.

Cordholders: None noted.

Wall Openings: Large recess in north wall, near east end of room. Opening to recess is .33 m. wide, .40 m. high, .46 m. from end wall. Top is .16 m. on centers.

Other: Base molding at east end of room, .15 m. high, .07 m. projection. Beveled molding at springline, east end, .20 m. high, .20 m. projection at bottom. 2.15 m. top of base to bottom of this molding.

#### **VAULTS:**

Springline Offset: About .06 m.

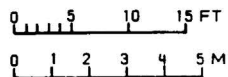
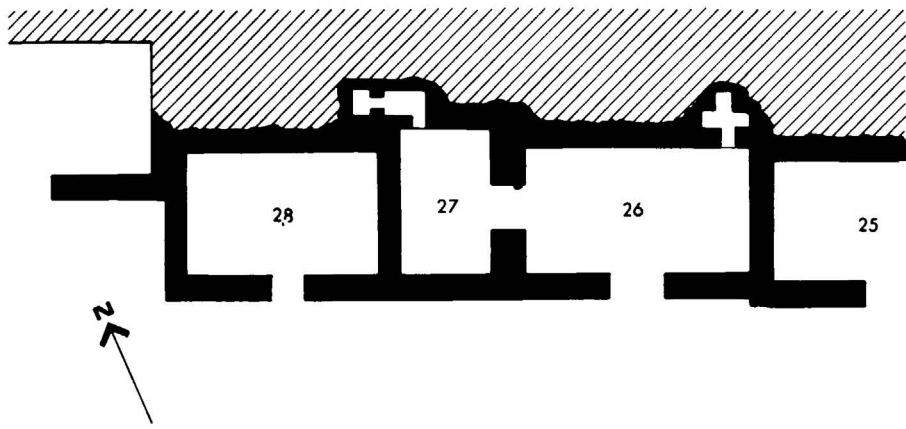
Height: 2.16 m., bottom of molding, east end, to bottom of capstone molding.

Form: Vault faced with typical Puuc wedge-shaped stones with beveled faces.

Capstones: Capstone span .38 to .43 m.

Crossbeams: Single crossbeams just below springline, .40 m. from ends of room. Second row 1.52 m. above springline. Third row .20 to .25 m. higher.

**OBSERVATIONS:** Moldings at east end of room appear to be remnants of older exterior end wall of Room 25, indicating that Rooms 26-28 are secondary to Rooms 22-25.



Labna, Yucatan  
 Site 16Qd(10): 12  
 Structure 1, Lower Level  
 West Rooms, Central Section  
 G.F. Andrews, 1978

**SITE:** LABNA

**NUMBER:** 16Qd(10): 12

**DATE:** 3/1/1978

**STRUCTURE I Lower Level**

**INTERIOR DETAILS:** Central Section, West Wing. Room 27

**DIMENSIONS:**

Length: 3.94 m.

Width: 2.48 m.

**WALLS:**

Height: 2.03 m., floor to springline.

Thickness: Dividing wall to Room 26 is .90 m. thick.

Stonework: Walls faced with veneer-type blocks, slightly uneven in size. Faces moderately well-cut.

Doorways: Doorway to Room 26 is 1.23 m. wide.

Rod Sockets: No data.

Cordholders: Finger-type cordholders high and low, both sides of doorway.

Wall Openings: Complex recess in north end wall. Opening in wall is .51 m. high, .37 m. wide, .48 m. below springline. See plan and section.

Platforms: None.

Other: Floor of this room raised about .40 m. above floor of Room 26.

**VAULTS:**

Springline Offset: .05 m.

Height: 1.50 m., springline to bottom of molding below capstones.

Form: Vault faces show considerable curvature.

Stonework: Same as in other rooms on this level.

Capstones: No data.

Crossbeams: No data.

**OBSERVATIONS:** See Pollock (1980:24) for additional details of this room.



**SITE:** LABNA

**NUMBER:** 16Qd(10): 12

**DATE:** 3/2/1978

**STRUCTURE I** Lower Level, West Wing (Rooms 29-31)

**GENERAL DESCRIPTION:** Group of three rooms in line at west end of lower level of Structure I. Only Room 29 of this group is at outer edge of terrace (see plan). Floor level of these rooms about 2.0 meters lower than floor level of rooms to east. All rooms open to south, overlooking terrace with two levels.

**ORIENTATION:** Main facade faces south.

**EXTERIOR DETAILS:** Details below are for south facade of Rooms 29-31.

**BASE MOLDING:**

Form: Three members. Rectangular members top and bottom, with continuous row of short colonnettes in central member.

Size: Upper member .16 m. high. Lower two members covered with debris.

Projection: .05 m. at top.

**LOWER WALL ZONE:**

Height: 2.13 m., top of base to bottom of medial molding.

Stonework: Wall faced with 6 courses of moderately well-cut veneer-type blocks, set in even courses.

Thickness: South wall .58 m. thick at doorjamb.

Decoration: None.

**DOORWAYS:**

Shape: Rectangular.

Jamb: Faced with large slabs, full thickness of wall.

Lintel: Stone lintels, about .32 m. thick.

**MEDIAL MOLDING:**

Form: Three members. Apron-type lower members, rectangular member at top. Colonnettes in recessed central member.

Size: Overall height .58 m.

Projection: .33 m. at bottom.

Decoration: Continuous row of short colonnettes in central member. These are larger than those seen in moldings of Central Section.

**UPPER WALL ZONE:**

Height: 1.14 m., top of medial molding to bottom of cornice.

Stonework: See "Decoration" below.

Decoration: Upper wall zone filled with combination of long-nosed masks (over doorways), groups of 3 colonnettes with spools top and bottom, and large frets (see photos and details).

**CORNICE:**

Form: Four members. Lower three members same as medial molding plus additionm of outward sloping coping member at top.

Size: Overall height 1.14 m. Upper member .54 m. high. Lower three members .59 m. high total.

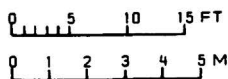
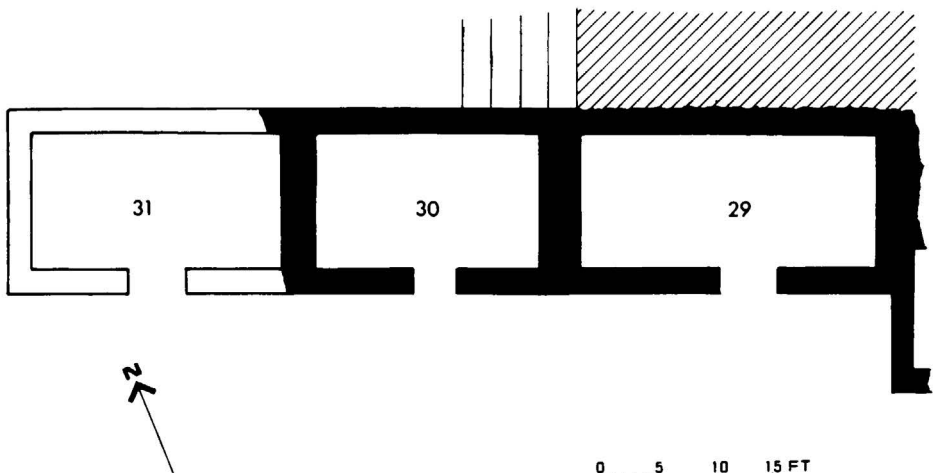
Projection: About .25 m. at bottom.

Decoration: Continuous row of short colonnettes in next to lowest member.

**ROOF STRUCTURE:** None.

**ARCHITECTURAL STYLE:** Classic Puuc Mosaic style.

**COMMENTS:** South facade of these rooms very similar to south facade of Rooms 26-28.



Labna, Yucatan  
 Site 16Qd(10): 12  
 Structure 1, Lower Level,  
 West Wing  
 G.F. Andrews, 1978

**SITE:** LABNA

**NUMBER:** 16Qd(10): 12

**DATE:** 3/1/1978

**STRUCTURE I** Lower Level

**INTERIOR DETAILS:** West Wing. (Rooms 29-31)

**ROOM 29**

Length: 7.99 m.

Width: 3.62 m.

Walls: Dividing wall to Room 30 is 1.03 m. thick.

Doorway: Exterior doorway 1.55 m. wide.

**ROOM 30** - See separate data sheet.

**ROOM 31** - No data - completely fallen.

**SITE:** LABNA

**NUMBER:** 16Qd(10): 12

**DATE:** 3/1/1978

**STRUCTURE I Lower Level**

**INTERIOR DETAILS: Room 30**

**DIMENSIONS:**

Length: 6.0 m.

Width: 3.66 m.

**WALLS:**

Height: 2.49 m., floor to springline.

Thickness: Front wall .58 m. thick at doorjamb.

Stonework: Walls faced with small veneer-type blocks, only moderately well-cut.

Doorways: Exterior doorway 1.16 m. wide.

Rod Sockets: Small rod sockets high and low in both doorjambs. Single socket .16 m. below lintel, pair of sockets below, .30 m. above floor, .17 m. to center from jambs.

Cordholders: Finger-type cordholders high and low, both sides of doorway, .46 m. from edge of jambs. Upper holders even with bottom of lintel. Lower about .38 m. above floor.

Wall Openings: None noted.

Platforms: None.

Other: Pair of projecting stone "feet" in front wall, 1.16 m. to center from jamb, .40 m. to bottom below springline.

**VAULTS:**

Springline Offset: .10 m.

Height: 1.93 m., springline to bottom of molding below capstones.

Form: Vault faces show considerable curvature.

Stonework: Vault faced with wedge-shaped specialized vault stones with beveled faces, only roughly dressed.

Capstones: Capstone span varies - .15 to .30 m. due to rough construction.

Crossbeams: Single crossbeams just below springline, .53 m. to center from end walls. Three additional crossbeams high in vault, .20 m. below capstone molding.

**SITE:** LABNA

**NUMBER:** 16Qd(10): 12

**DATE:** 3/2/1978

**STRUCTURE I SOUTH WING (Rooms 32-36)**

**GENERAL DESCRIPTION:** South Wing consists of separate structure with five rooms in line, although south end room (Room 36) is now fallen. Doorways in east facade, overlooking terrace at lower level than terrace supporting main rooms.

**ORIENTATION:** Main facade faces east.

**EXTERIOR DETAILS:** Details below are for east (front) facade.

**BASE MOLDING:**

Form: Single member, rectangular base.

Size: About .26 m. high.

Projection: About .05 m. at top.

**LOWER WALL ZONE:**

Height: 1.76 m. (approx.) top of base to bottom of medial molding.

Stonework: Wall faced with 6 courses of roughly dressed semi-veneer type blocks set in uneven courses.

Thickness: Front wall .63 m. thick at doorjambs.

Decoration: None.

**DOORWAYS:**

Shape: Doorjambs have slight inward slope from bottom to top.

Jambs: Faced with large slabs, full thickness of wall.

Lintels: Stone lintels, .24 to .27 m. thick.

**MEDIAL MOLDING:**

Form: Single member, rectangular molding.

Size: .21 m. high.

Projection: .11 m. at bottom, .09 m. at top.

Decoration: None.

Other: Medial molding breaks up over doorways to Rooms 33, 34, and 35. Raised portion .63 m. high, 1.83 m. wide.

**UPPER WALL ZONE:**

Height: Uncertain - upper portions fallen (approximately 2.06 m. top of medial molding to top of roof.

Stonework: Walls faced with small, semi-veneer type blocks somewhat better dressed than those in lower walls.

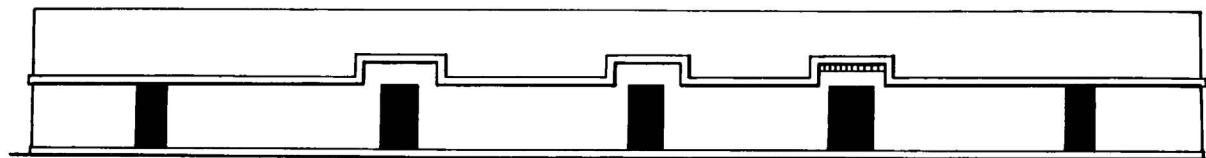
Decoration: Row of eleven small, T-frets above doorway to Room 33 in space created by "broken" medial molding (see detail).

**CORNICE:** No cornice molding of any kind.

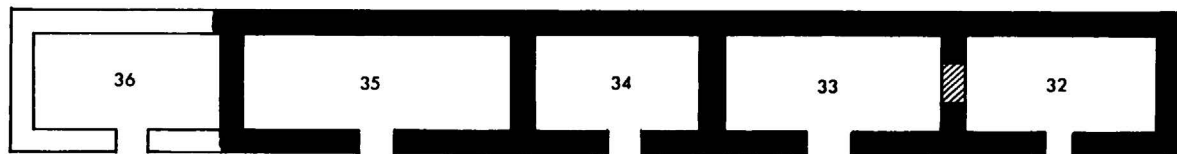
**ROOF STRUCTURE:** None.

**ARCHITECTURAL STYLE:** Early Puuc style.

**COMMENTS:** In order to avoid confusion, I have followed Pollock's lead in describing this structure as the South Wing of Structure I. Actually, I believe it should be considered as a separate building since it is not connected in any way to the lower level rooms of Structure I to the north, and the floor level of so-called South Wing is several feet below the floor level of the main rooms of Structure I. I would also suggest that this set of rooms was built prior to the time that any of the other rooms on the lower level of Structure I were constructed, as it is executed in the Early Puuc style, in sharp contrast to the classic Puuc Mosaic style employed in the main rooms (Rooms 12-31, Rooms 41-46, and Rooms 58-63) on both levels of Structure I.



East Elevation (restored)



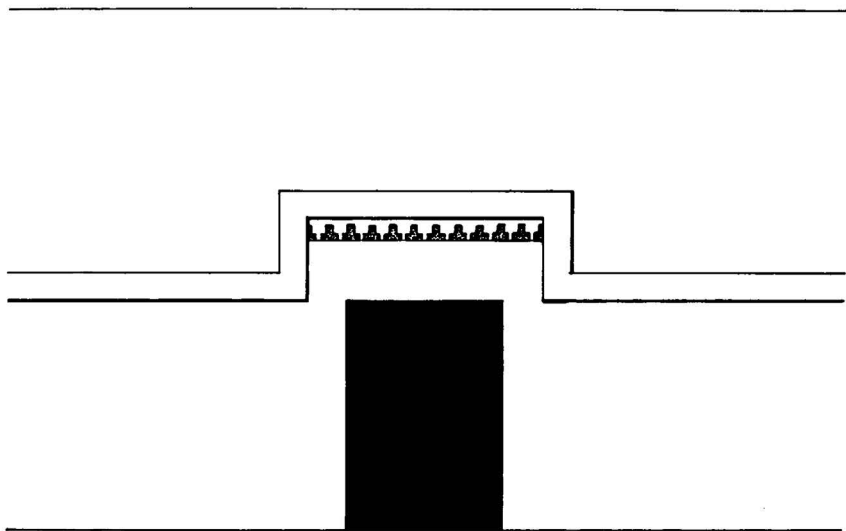
Plan

0 5 10 FT.

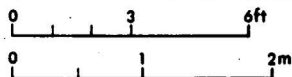
0 1.0 2.0 3.0 M

Labna, Yucatan  
Site 16Qd(10): 12  
Structure 1, South Wing  
G.F. Andrews, 1978

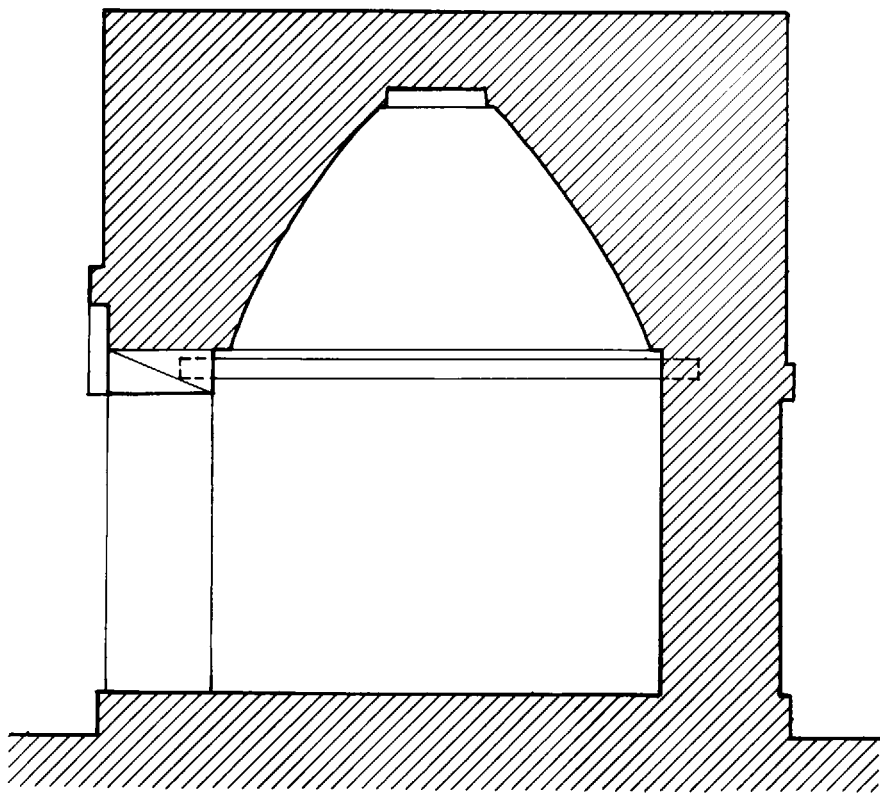




Detail of broken molding over  
doorway to Room 33.



Labna, Yucatan  
Site 16Qd(10): 12  
Structure 1, South Wing  
G.F. Andrews, 1983



Section - Room 35

0 1 2 3 4 5 6 FT

0 1.0 2.0 M

**Labna, Yucatan**  
 Site 16Qd(10): 12  
 Structure 1, South Wing  
 G.F. Andrews, 1978

SITE: LABNA

NUMBER: 16Qd(10): 12

DATE: 3/2/1978

STRUCTURE I SOUTH WING (Rooms 32-36)

INTERIOR DETAILS:

ROOM 32

Length: 5.21 m.

Width: 2.67 m. (approx.).

Doorway: Exterior doorway .77 m. wide.

Comments: All details of this room similar to those seen in Rooms 33-35 except for row of crossbeams in upper part of vault, about .46 m. below capstone molding.

ROOM 33

Length: 5.93 m.

Width: 2.67 m. (approx.).

Doorways: Exterior doorway 1.20 m. wide. Doorway to Room 32 in north end wall 1.13 m. wide, filled in at later date.

Comments: Other details of this room similar to those seen in Rooms 35 and 36.

ROOM 34

Length: 4.64 m.

Width: 2.67 m. (approx.).

Doorways: Exterior doorway .95 m. wide.

Cordholders: Three finger-type cordholders both sides of doorway. Upper holder .23 m. below bottom of lintel; second is .25 m. below. Third is .35 m. above floor.

Other: Projecting stone "feet" just below springline in front wall, one each side of doorway.

Comments: Other details similar to those seen in Room 35.

ROOM 35 - See separate data sheet.

ROOM 36 - No data, completely fallen

SITE: LABNA

NUMBER: 16Qd(10): 12

DATE: 3/2/1978

**STRUCTURE I SOUTH WING (Rooms 32-36)**

**INTERIOR DETAILS: Room 35**

**DIMENSIONS:**

Length: 7.41 m.

Width: 2.67 m.

**WALLS:**

Height: 2.03 m., floor to springline.

Thickness: Front wall .63 m. thick at doorjamb.

Stonework: Walls faced with 8 courses of roughly dressed semi-veneer type blocks, set in uneven courses.

Doorways: Exterior doorway 1.03 m. wide. Stone lintel above. .26 m., bottom of lintel to springline.

Rod Sockets: No data.

Cordholders: No data (probably three on each side of doorway as in Room 34).

Rings: None.

Wall Openings: None noted.

Platforms: None.

**VAULTS:**

Springline Offset: .06 m.

Height: 1.42 m., springline to bottom of molding below capstones.

Form: Vault faces show slight curvature.

Stonework: Vault faced with 6 courses of wedge-shaped stones with beveled faces. Springline course .20-.25 m. high. Uppermost course .15 m. high.

Capstones: Capstone span about .60 m. Molding below capstones .10 m. high.

Crossbeams: Single crossbeams near both ends of room, just below springline. None in vault above.

**SITE:** LABNA

**NUMBER:** 16Qd(10): 12

**DATE:** 3/2/1978

**STRUCTURE 1 UPPER LEVEL, East Rooms (Rooms 58-63)**

**GENERAL DESCRIPTION:** Six-room building; four rooms in line at front with additional rooms behind two central rooms. Doorways open to south and the two central doorways have multiple openings, formed by two round columns with rectangular capitals. Upper wall zone of main facade carries elaborate decorative motifs, including long-nosed masks, but upper wall zone at rear shows only rough masonry.

**ORIENTATION:** Main facade faces south.

**EXTERIOR DETAILS:** Details below are for south facade of East Rooms (Rooms 58-63).

**BASE MOLDING:**

Form: Three members. Rectangular upper member. Lower members covered with debris.

Size: Upper member .16 m. high.

Projection: About .05 m. at top.

**LOWER WALL ZONE:**

Height: 2.13 m. top of base to bottom of medial molding.

Stonework: Wall faced with 5-6 courses of somewhat roughly dressed veneer-type blocks, set in uneven courses. Considerable variation in size.

Thickness: Front walls of Room 59 and 61 are .61 m. thick at jambs. Front wall of Room 58 is .99 m. thick.

Decoration: None.

**DOORWAYS:**

Shape: Doorway to Room 58 rectangular. Doorways to central rooms (Rooms 59 and 61) have multiple openings formed with two round columns with rectangular capitals; offsets at top of jambs to match column capitals.

Jambs: Faced with large slabs, full thickness of wall.

Lintels: Stone lintels.

#### **MEDIAL MOLDING**

Form: Three members. Apron-type lower member and rectangular member at top. Decorated central member.

Size: Overall height .59 m. Upper member .15 m. high, central member .26 m. high.

Projection: About .23 m. at bottom.

Decoration: Central member filled with zig-zag and triangle motifs (see detail).

#### **UPPER WALL ZONE:**

Height: Uncertain, upper portion fallen.

Stonework: See "Decoration" below.

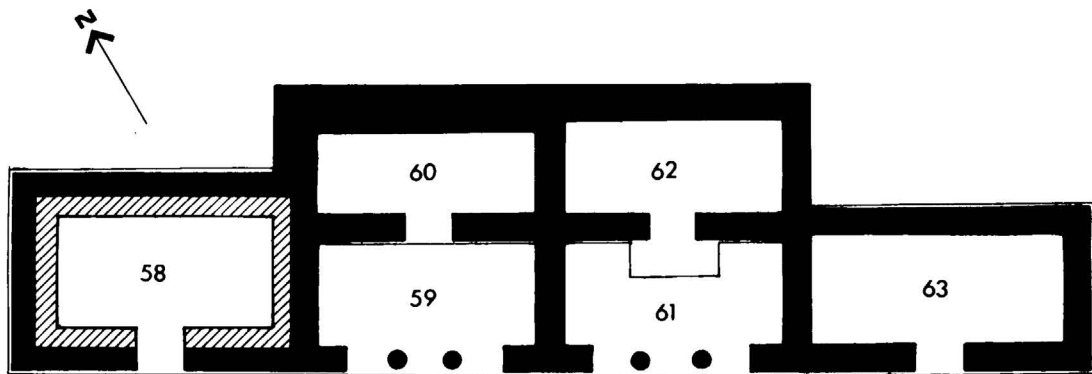
Decoration: Upper wall zone completely filled with mosaic decorative forms including simplified long-nosed masks over doorways, flanked by pairs of colonnettes with spools top and bottom. Large frets and panels of latticework between masks (see photos and details).

**CORNICE:** No data - completely fallen, but probably four members, with lower three members same as medial molding and outward sloping coping member above.

**ROOF STRUCTURE:** None.

**ARCHITECTURAL STYLE:** Classic Puuc Mosaic style.

**COMMENTS:** Inner portion of Room 58 was originally a small, free-standing building with one room. At the time balance of larger building was constructed, additional walls built around early building, completely enclosing original facades.



0 5 10 15 FT

0 1 2 3 4 5 M

Laobna, Yucatan  
 Site 16Qd(10): 12  
 Structure 1, Upper Level  
 Rooms 58-63  
 G.F. Andrews, 1981

## STRUCTURE 1 UPPER LEVEL, East Building (Rooms 58-63)

## INTERIOR DETAILS:

## ROOM 58

Length: 4.56 m. (approx.)

Width: 2.64 m.

Doorway: Exterior doorway 1.14 m. wide.

Comments: This room was originally a free-standing, one-room building, which was later encased by additional walls on all sides at the time Rooms 59-63 were added. Original front (south) wall was only .51 m. thick but with additional wall, total thickness is now .94 m. Similar increases in thickness of north, east and west walls.

ROOMS 59 and 60 - See separate data sheet.

## ROOM 61

Length: 5.22 m.

Width: 2.51 m.

Doorways: Exterior doorway, including two round columns, 3.76 m. wide.

Doorway to rear room 1.03 m. wide.

Other: Step up to rear room .20 m. high, 2.03 m. wide, and .78 m. deep. 2.15 m. top of step to springline.

Comments: This room very similar to adjacent Room 59, except for projecting step at rear.

## ROOM 62

Length: 5.32 m.

Width: 2.23 m.

Doorway: Doorway in dividing wall 1.03 m. wide at bottom, .96 m. wide at top.

Comments: Other details of this room similar to those seen in Room 60.

## ROOM 63

Length: 5.32 m. (approx.).

Width: 2.44 m.

Comments: No other data - room mostly fallen.



SITE: LABNA

NUMBER: 16Qd(10): 12

DATE: 3/2/1978

STRUCTURE 1 UPPER LEVEL, East Building (Rooms 58-63)

INTERIOR DETAILS: Room 59

**DIMENSIONS:**

Length: 5.51 m.

Width: 2.0 m.

**WALLS:**

Height: 2.28 m. floor to springline.

Thickness: Front wall .61 m. thick at doorjamb.

Stonework: Walls faced with 6 to 7 courses of veneer-type blocks, only moderately well-dressed.

Doorways: Exterior doorway, with 2 round columns, 3.65 m. wide overall. Columns about .38 m. in diameter, capitals .56 m. wide and .48 m. deep. Corbels at top of doorjambs to match height of capitals.

Rod Sockets: None.

Cordholders: None noted.

Wall Openings: None noted.

Platforms: None.

Other: Projecting molding, .10 m. high, at bottom of rear wall. Top of this molding even with top of floor of rear room (Room 60)

**VAULTS:**

Springline Offset: About .07 m.

Height: 1.83 m., springline to bottom of capstone molding.

Form: Vault faces show slight curvature.

Stonework: Vault faced with 6 courses of wedge-shaped facing stones with beveled faces.

Capstones: Capstone span .25-.30 m. Molding below capstones about .12 m. high.

Crossbeams: Single crossbeams near both ends of room, just below springline. None noted above.

SITE: LABNA

NUMBER: 16Qd(10): 12

DATE: 3/2/1978

STRUCTURE 1 UPPER LEVEL, East Building (Rooms 58-63)

INTERIOR DETAILS: Room 60

**DIMENSIONS:**

Length: 5.22 m.

Width: 1.94 m.

**WALLS:**

Height: 2.06 m. floor to springline.

Thickness: Dividing wall to Room 59 is .68 m. thick. Rear wall 1.16 m. thick.

Stonework: Walls faced with 7 courses of medium-size, veneer-type blocks, only moderately well-dressed.

Doorways: Doorway in south wall (dividing wall to Room 59) 1.01 m. wide. Stone lintel above. .46 m. bottom of lintel to springline.

Rod Sockets: No data.

Cordholders: No data.

Wall Openings: None noted.

Platforms: None.

Other: Floor of this room raised .10 m. above floor of front room (Room 59).

**VAULTS:**

Springline Offset: .06 m. (approx.)

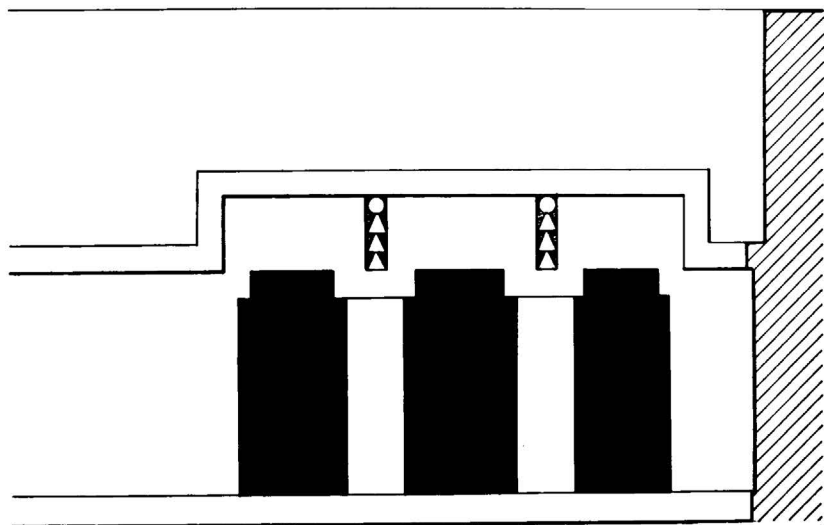
Height: 1.67 m. springline to bottom of capstone molding.

Form: Vault faces show slight curvature.

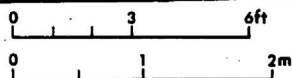
Stonework: Vault faced with 5 courses of both wedge and boot-shaped stones with beveled faces.

Capstones: Capstone span .25-.30 m.

Crossbeams: Single crossbeams near both ends of room, just below springline. None noted above.



South Elevation - Room 50



Labna, Yucatan  
 Site 16Qd(10): 12  
 Structure 1, Upper Level  
 G.F. Andrews, 1978

**SITE:** LAENA

**NUMBER:** 16Qd(10): 12

**DATE:** 3/2/1978

## **STRUCTURE 2**

**GENERAL DESCRIPTION:** L-shaped building with eight rooms total; five rooms in long leg of L, three rooms in short leg. Stands on low platform on east side of main plaza, with stairway at west edge leading down to plaza.

**ORIENTATION:** Main facade faces west.

**EXTERIOR DETAILS:** Details below are for all facades.

### **BASE MOLDING:**

Form: Three members. Rectangular members top and bottom. Recessed central member filled with continuous row of colonnettes.

Size: Overall height .56 m. Upper and lower members .12 m. high, central member .25 m. high.

Projection: .07 m. at top.

### **LOWER WALL ZONE:**

Height: 2.05 m., top of base to bottom of medial molding.

Stonework: Walls faced with 6-7 courses of veneer-type blocks varying some in size, set in uneven courses. Faces only moderately well-dressed.

Thickness: Front wall .57 m. thick at doorjambs. Dividing walls between rooms vary in thickness from .56 m. to 1.05 m.

Decoration: None - walls are plain.

### **DOORWAYS:**

Shape: Jambs show very slight inward slope from bottom to top.

Jambs: Faced with large slabs, full thickness of wall.

Lintels: Stone lintels, .27 to .33 m. thick.

### **MEDIAL MOLDING:**

Form: Three members. Apron-type lower member, rectangular member at top. Central member filled with short colonnettes.

Size: Total height .56 m.

Projection: .15 -.20 m. at bottom (varies).

Decoration: Central member filled with short colonnettes, about .17 m. on centers.

#### **UPPER WALL ZONE:**

Height: .86 m., top of medial molding to bottom of cornice.

Stonework: See "Decoration" below.

Decoration: Upper walls filled with continuous rows of plain colonnettes.

#### **CORNICE:**

Form: Four members. Lower three members same as medial molding plus outward sloping coping member at top.

Size: Total height 1.0 m. Lower 3 members .56 m. high overall, upper member .45 m. high.

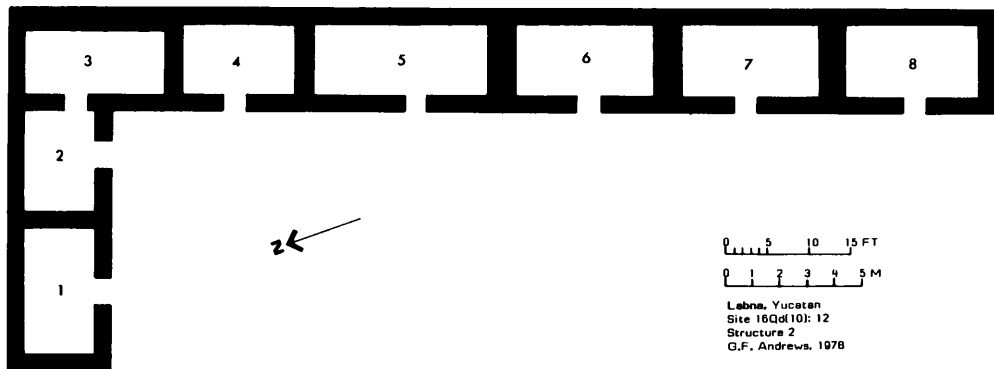
Projection: .12 m. at bottom.

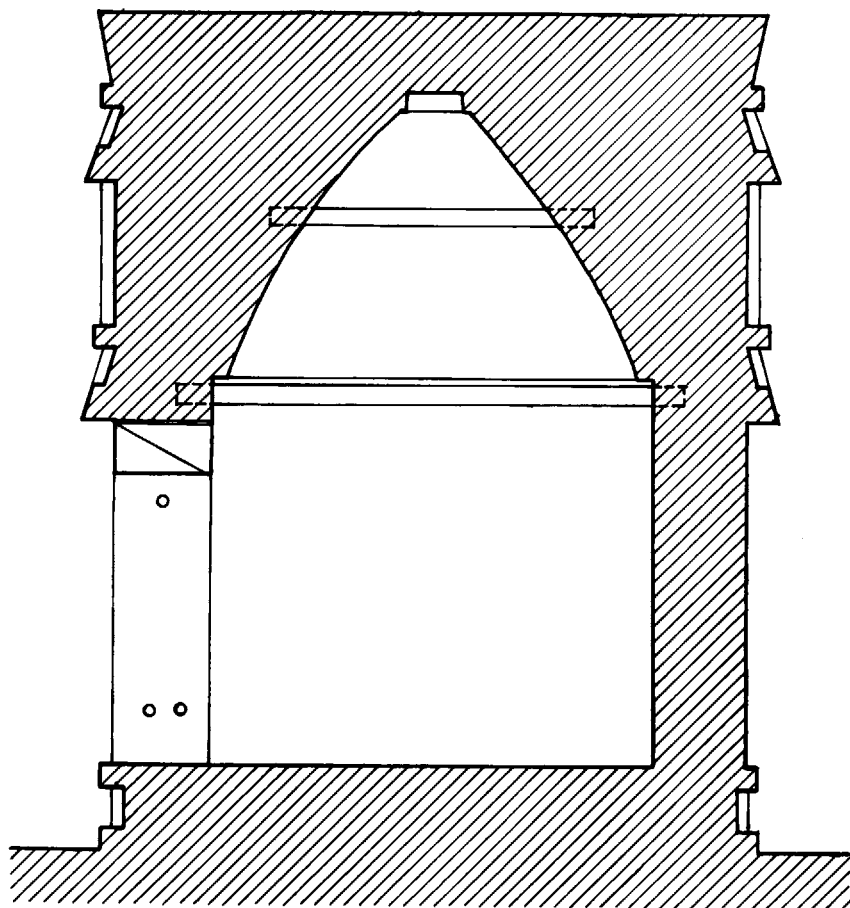
Decoration: Continuous row of short colonnettes in next to lowest member.

**ROOF STRUCTURE** None.

**ARCHITECTURAL STYLE:** Classic Puuc Colonnade style. Very typical example of Puuc Colonnade style, where upper wall zone is filled with plain colonnettes and both medial and cornice moldings carry rows of short colonnettes.

**COMMENTS:** Without excavation, difficult to say if Rooms 1-3 are secondary to Rooms 4-8, as suggested by remnant of "exterior medial molding" in south wall of Room 3. If so, additional rooms were made to match earlier rooms.





Section thru Room 4

0 1 2 3 4 5 6 FT

0 1.0 2.0 M

Labna, Yucatan  
 Site 16Qd(10): 12  
 Structure 2  
 G.F. Andrews, 1978

ITE: LABNA

NUMBER: 16Qd(10): 12

DATE: 3/2/1978

STRUCTURE 2

INTERIOR DETAILS:

ROOM 1

Length: 4.69 m.

Width: 2.71 m. (approx.).

ROOM 2

Length: 3.80 m.

Width: 2.71 m.

Doorway: 1.06 m. wide.

ROOMS 3 AND 4 - See separate data sheets.

ROOM 5

Length: 6.50 m.

Width: 2.64 m.

Doorway: .86 m. wide.

ROOM 6

Length: 5.10 m.

Width: 2.64 m.

Doorway: .90 m. wide.

ROOM 7

Length: 5.12 m.

Width: 2.64 m. (approx.)

Doorway: .86 m. wide.

ROOM 8

Length: 5.10 m. (approx.)

Width: 2.64 m. (approx.)

COMMENTS: Details of Rooms 1 and 2 similar to those seen in Room 3.  
Details of Rooms 5-8 similar to those seen in Room 4.



**SITE:** LABNA

**NUMBER:** 16Qd(10): 12

**DATE:** 3/2/1978

## **STRUCTURE 2**

**INTERIOR DETAILS:** Room 3

### **DIMENSIONS:**

Length: 5.17 m.

Width: 2.44 m.

### **WALLS:**

Height: 2.28 m., floor to springline.

Thickness: Dividing wall to Room 2 is .56 m. thick. Dividing wall to Room 4 also .56 m. thick.

Stonework: Walls faced with veneer-type blocks, only moderately well-dressed.

Doorways: Doorway in west wall (to Room 2) .90 m. wide. Lintel above .33 m. thick. .56 m. bottom of lintel to springline.

Rod Sockets: None.

Cordholders: Three finger-type cordholders adjacent to both doorjambs. One at bottom of lintel, second .46 m. below, and third about .27 m. above floor.

Wall Openings: None noted.

Platforms: None.

Other: Projecting molding with beveled face just below springline in south end of room. Projects .23 m. at bottom but upper wall flush with upper edge of molding.

### **VAULTS:**

Springline Offset:

Height: 2.05 m. springline to bottom of capstone molding.

Form: Vault faces have moderate curvature.

Stonework: Vault faced with wedge-shaped, specialized stones with beveled faces.

Capstones: Capstone span .30-.35 m. Molding below capstones about .11 m. high.

Crossbeams: Single crossbeams near both ends of rooms just below springline. Three additional crossbeams about .76 m. below capstone molding.

**OBSERVATIONS** Projecting molding in south end of room appears to be the lower member of a medial molding, as though south wall at one time was north end wall of a separate building which consisted of Rooms 4-8. This may not actually be the case, however, as my notes say that face of south wall does not go through outside walls. See Pollock (1980: 31-32) for further discussion of this detail.

## STRUCTURE 2

INTERIOR DETAILS: Room 4

## DIMENSIONS:

Length: 4.23 m.Width: 2.64 m.

## WALLS:

Height: 2.3 m. floor to springline.Thickness: Front wall .57 m. thick at doorjamb.Stonework: Walls faced with veneer-type blocks, moderately well-cut.Doorways: Exterior doorway .92 m. wide. Stone lintel above. .57 m., bottom of lintel to springline.Rod Sockets: Small rod sockets in both doorjambs, one high, two below. Upper sockets .15 m. below bottom of lintel. Lower sockets .33 m. above floor.Cordholders: None noted.Wall Openings: None noted.Platforms: None.

## VAULTS:

Springline Offset: About .07 m.Height: 1.89 m. springline to bottom of capstone molding.Form: Vault faces show moderate curvature.Stonework: Vault faced with mixture of wedge to semi-boot shaped stones with beveled faces, only moderately well-dressed.Capstones: Capstone span .33-.35 m. Molding below capstones .12 m. high.Crossbeams: Single crossbeams near ends of room just below springline. Additional crossbeams just below capstone molding and in third course of stones below capstone molding.**OBSERVATIONS:** All details of this room (and Rooms 6-8 as well) are typical for Puuc Colonnade style buildings.

**STRUCTURE 4** Mirador Temple

Structure 4 is a medium-sized pyramid-temple which is situated on the north side of court of Group of Structure 4(see sketch map). The superstructure consists of a four-room, temple-type building with a high roofcomb over the front wall, although only the western part of this building is still standing. The substructure consists of a stepped pyramid with a broad stairway on the south side (now fallen) plus the remains of a small room near the southwest corner of the pyramid whose floor level is about midway between the top of the pyramid and the level of the court below. This room (Room 5) belongs to an earlier period although the architecture and architectural style is the same (Early Puuc style) as the the later superstructure. See Pollock (1980, fig. 69) for sketch elevation showing "broken" medial molding over doorway to this room.

The pyramidal substructure is now mostly a rough mound of debris as only the upper two steps of the pyramid have been excavated and restored. The uppermost step is about 1.22 m. high and the step below about 1.83 m. high. The upper step is .48 m. wide and the lower step .81 m. wide. Since the pyramid is about 14 m. high overall at rear, it probably had seven or eight steps in all, assuming lower steps were somewhere near the same height as next to the highest step.

**STRUCTURE 4** Mirador Temple (Superstructure)

**GENERAL DESCRIPTION:** Small building with four rooms - two central rooms, one behind the other with lateral rooms at both ends. Doorways in south wall, including doorways to lateral rooms. High slotted roofcomb over front wall with remains of both stone and stucco decorations. Eastern portion of central rooms and east end room now fallen.

**ORIENTATION:** Main facade faces south.

**EXTERIOR DETAILS:** Details below are for south facade - west and north facades similar.

#### **BASE MOLDING:**

Form: Single member, rectangular molding.

Size: .33 m. high.

Projection: .05 m. at top.

#### **LOWER WALL ZONE:**

Height: 2.09 m., top of base to bottom of medial molding.

Stonework: Walls faced with 6-7 courses of somewhat roughly dressed semi-veneer type blocks, varying in size.

Thickness: Front (south) wall about .69 m. thick at doorjambs.

Decoration: None.

#### **DOORWAYS:**

Shape: Doorjambs show very slight inward slope from bottom to top.

Jambs: Faced with large slabs, full thickness of wall.

Lintels: Stone lintels.

#### **MEDIAL MOLDING:**

Form: Single member, rectangular molding.

Size: .25 m. high.

Projection: .07 m. at bottom, .12 m. at top.

Decoration: None.

#### **UPPER WALL ZONE:**

Height: 2.26 m. top of medial molding to top of roof.

Stonework: Walls faced with 10 courses of semi-veneer type blocks, somewhat roughly dressed.

Decoration: Front (south) wall partly covered with stucco sculpture supported on stone tenons, including standing figure set at 45 degrees at southwest corner. See photos and restored elevation.

**CORNICE:** No cornice molding of any kind.

#### **ROOF STRUCTURE:**

Description: High, single wall, slotted roofcomb, formed with undressed slabs. Three main tiers formed by set-backs in south face.

Location: Over front (south) wall.

Dimensions: About .90 m. thick at base. Overall height about 4.45 m. Lowest tier 1.5 m. high. Tier above about 1.65 m. high.

Decoration: South face and ends covered with painted stucco sculptures supported on stone tenons, including ball players and other human figures. Unfortunately, most sculpture now fallen.

**ARCHITECTURAL STYLE:** Early Puuc style.

**COMMENTS:** Structure 4 is very reminiscent of Mirador Temple at Sayil, except that roofcomb of Structure 4 here is over front wall rather than over central dividing wall as at Sayil.

John Lloyd Stephens (1843: 30-32) provided an eloquent description of the stucco sculpture on the front wall and roofcomb, but even in Stephens' time it was impossible to make out most of the figures and other designs. As a result, Catherwood's drawing (ibid, Plate VI) leaves much to be desired in terms of details.

**STRUCTURE 4 Mirador Temple****INTERIOR DETAILS: Room 1****DIMENSIONS:**

Length: 4.61 m.

Width: 2.24 m. at front wall, 2.13 m. at rear wall.

**WALLS:**

Height: 2.21 m. floor to springline.

Thickness: Front wall .70 m. thick at doorjambs.

Stonework: Walls faced with roughly dressed, semi-veneer type blocks, varying in size and set in uneven courses.

Doorways: Exterior doorway .81 m. wide. Stone lintel above, .21 m. thick.

Rod Sockets: None.

Cordholders: None.

Rings: None.

Wall Openings: None noted.

Platforms: None.

**VAULTS**

Springline Offset: .07 m.

Height: 1.62 m., springline to bottom of molding below capstones.

Form: Vault faces show moderate curvature.

Stonework: Vault faced with roughly dressed wedge-shaped stones with beveled faces. Facing stones vary in size and shape.

Capstones: Capstone span .30-.35 m. Molding below capstones .12 m. high.

Crossbeams: Single crossbeams, .50 m. from end walls just above springline. None above.

**SITE:** LABNA

**NUMBER:** 16Qd(10): 12

**DATE:** 3/1/1978

**STRUCTURE 4** Mirador Temple

**INTERIOR DETAILS:** Room 2

**DIMENSIONS:**

Length: About 6.08 m.

Width: 1.90 m.

**WALLS:**

Height: No data.

Thickness: Front wall about .66 m. thick at doorjamb.

Stonework: Same as in Room 1

Doorways: Exterior doorway about 1.35 m. wide.

Rod Sockets: No data.

Cordholders: No data.

Wall Openings: None noted.

Platforms: None.

**VAULTS:**

Springline Offset: .05 m.

Height: 1.60 m., springline to bottom of capstone molding.

Form: Vault faces show slight curvature.

Stonework: Vault faced with roughly dressed, wedge-shaped stones with beveled faces.

Capstones: Capstone span about .30 m.

Crossbeams: Single crossbeams .38 m. from both end walls, just above springline. Additional crossbeams high in vault, about .30 m. below capstone molding.

**OBSERVATIONS:** Photo of west end of this room, and rear room, in Spindon (1975, pl. 4,2).

**ROOM 3** - Length: about 6.08 m. (same as Room 2). Width: 2.0 m. Walls: Dividing wall to front room, .61 m. thick. Rear wall .73 m. thick.

**ROOM 4** - No data - completely fallen.



**STRUCTURE 11**

Structure 11, which includes the well-known Portal Vault, consists of five basic components, or wings, which form an irregularly shaped quadrangular complex surrounding a medium-sized courtyard (see sketch plan). An additional detached building, shown on map as Structure 13, closes off the courtyard to the north and there is a round altar toward the southern end of the court. The five basic components of this complex are as follows:

1. North Wing (Rooms 1 and 2)
2. East Wing (Rooms 3-6)
3. Southeast Wing (Rooms 7, 8, and Portal Vault)
4. South Wing (Rooms 9-13)
5. West Wing (Rooms 14-19)

The Southeast Wing, and portions of the East and South Wings are still standing but the other wings have completely collapsed. My data, which is limited to the East and Southeast Wings, is given below. See Pollock (1980: 39-46) for further discussion of Structure 11.

**STRUCTURE 11 East Wing (Rooms 3-6)**

**GENERAL DESCRIPTION:** Set of three rooms in line, running south from North Wing (Rooms 1 and 2) Doorways on west side opening to inner court of this complex. Vaults and rear wall now fallen. South end of Room 6 (now fallen) joined to northeast end of Southeast Wing (see plan).

**ORIENTATION:** Front wall faces west.

**EXTERIOR DETAILS:** Details below are for west facade only.

**BASE MOLDING:**

Form: Single member, rectangular molding.

Size: .35 m. high.

Projection: .05 m. at top.

#### **LOWER WALL ZONE:**

Height: 1.97 m., top of base to bottom of medial molding.

Stonework: Where plain, wall faced with 5-6 courses of moderately well-cut veneer-type blocks set in uneven courses, due to differences in size.

Thickness: Front (west) wall .63 m. thick at doorjamb.

Decoration: Lower wall filled with combination of long colonnettes, carved stones, and mosaic-type sculptural forms of unusual design. See photos and restored elevations.

#### **DOORWAYS**

Shape: Jamb show considerable inward slope from bottom to top.

Jamb: Faced with large slabs, full thickness of wall. Outer face rounded to replicate colonnettes, with spools top, bottom and center.

Lintels: Stone lintels, .25 m. thick.

#### **MEDIAL MOLDING:**

Form: Three members. Outward sloping apron-type members top and bottom; narrow projecting central member. Two lower members decorated.

Size: Overall height .59 m. Lower member .23 m. high, central member .14 m. high.

Projection: .20 m. at bottom.

Decoration: Face of central member carved with continuous row of circular "horseshoe" designs. Face of lower member has fret design at bottom and star shapes above (see photos and details).

#### **UPPER WALL ZONE:**

Height: .90 m., top of medial molding to bottom of cornice.

Stonework: See "Decoration" below.

Decoration: Upper wall filled with continuous row of colonnettes with spools at center (see photos and details).

Other: Pollock (1980: 41) says that east facade carried similar colonnettes in groups of three, separated by plain areas.

#### **CORNICE:**

Form: Probably three members although only lower apron-type member is still in place.

Size: Lowest member .23 m. high.

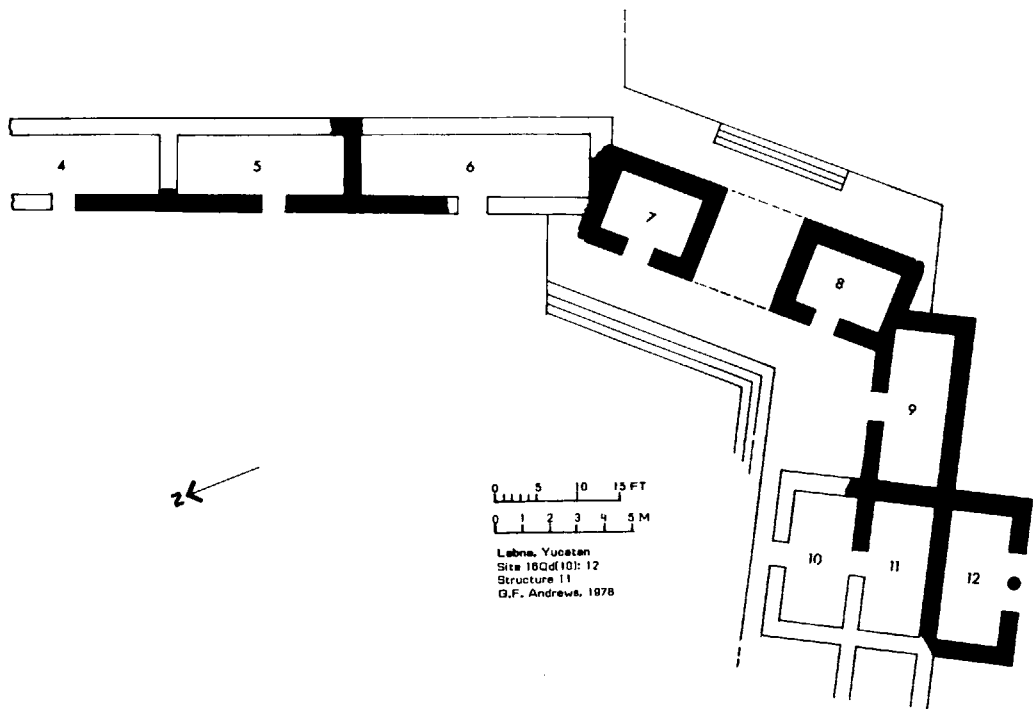
Projection: About .12 m. at bottom.

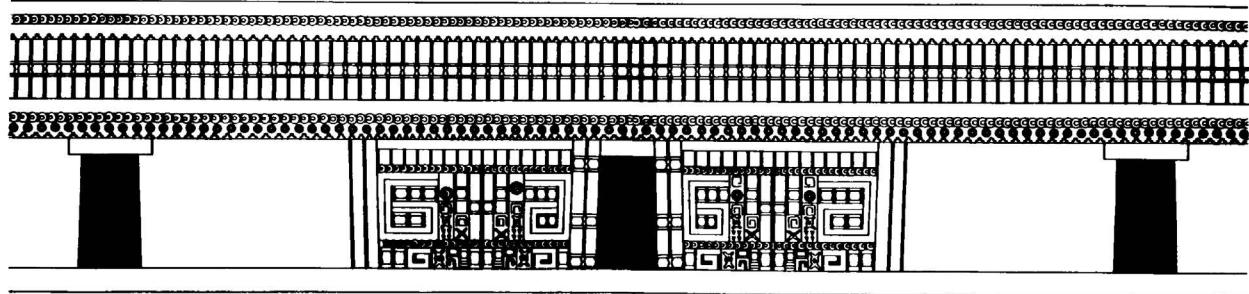
Decoration: Bottom edge of lowest member shows T-shaped scallops, same as in lower member of medial molding.

**ROOF STRUCTURE:** None.

**ARCHITECTURAL STYLE:** Classic Puuc Mosaic style.

**COMMENTS:** Lower wall zone as seen here filled with elaborate mosaic-type sculpture is fairly unusual, as typical Mosaic style buildings have plain lower walls.





East Wing - West Elevation, Rooms 4-6 (restored)

Labna, Yucatan  
 Site 16Qd(10): 12  
 Structure 11, East Wing  
 G.F. Andrews, 1983

**STRUCTURE 11** Southeast Wing (Rooms 7, 8, and Portal Vault)

**GENERAL DESCRIPTION:** Southwest Wing consists of two small rooms (Rooms 7 and 8) with high portal vault between. Entire wing stands on platform, about 1.0 m. high, with stairways on both northwest and southeast sides (see plan). Doorways to Rooms 7 and 8 open to inner courtyard.

**ORIENTATION:** Axis of Portal Vault runs northwest-southeast.

**EXTERIOR DETAILS:** Details below are for northwest and southeast facades.

**BASE MOLDING:**

Form Single member, rectangular base.

Size: .30 m. high.

Projection: .04 m. at top.

**LOWER WALL ZONE:**

Height: 1.88 m. top of base to bottom of medial molding.

Stonework: Walls faced with 5-6 courses of veneer-type blocks, only moderately well-dressed.

Thickness: Front wall .62 m. thick at doorjamb.

Decoration: Three-quarter round corner columns with rounded base and capitals at northeast and southwest corners. Columns .33 m. in diameter.

**DOORWAYS:**

Shape: Jambs slope inward from bottom to top.

Jambs: Faced with large slabs, full thickness of wall.

Lintels: Stone lintels, about .25 m. thick.

**MEDIAL MOLDING:**

Form: Three members. Apron-type lower member with narrow rectangular member at top. Decorated central member (see below).

Size: Overall height .66 m.

Projection: .40 m. at bottom.

Decoration: Central member filled with zig-zag and triangle motifs.

#### **UPPER WALL ZONE:**

Height: 1.18 m., top of medial molding to bottom of cornice.

Stonework: Where plain, walls faced with small, veneer-type blocks only moderately well-dressed.

Decoration: Northwest facades of Rooms 7 and 8 have long-nosed masks at northeast corner, with huts over doorways, flanked by latticework panels on both sides. Projecting stones adjacent to Portal Vault, which may have supported stucco sculpture. Southeast facades of Rooms 7 and 8 filled with large "geometric masks". See Andrews, 1985, for discussion of these special decorative forms.

#### **CORNICE:**

Form: Four members. Lower three members have same general form as medial molding, with outward sloping coping member above. Molding over vault 1.0 m. high total. Molding over Rooms 7 and 8 is 1.20 m. high total.

Size:

Projection: About .11 m. at bottom.

Decoration: Next to lowest member filled with continuous row of T-shaped frets.

#### **PORTAL VAULT:**

Length: 3.63 m.

Width: 3.03 m.

Height: 2.66 m. floor to springline, 2.03 m. springline to bottom of capstone molding.

Stonework: Vault faced with 8 courses of wedge-shaped stones with beveled faces.

Capstones: Capstone span about .60 m. Molding below capstones, .12 m. high.

Crossbeams: Row of 3 crossbeams high in vault, in second course of vault stones below capstones.

#### **ROOF STRUCTURE:**

Description: Single-wall, slotted roofcomb in 3 sections - one each over Rooms 7 and 8 and one at higher elevation over Portal Vault.

Location: Centered over Rooms 7 and 8 and Portal Vault.

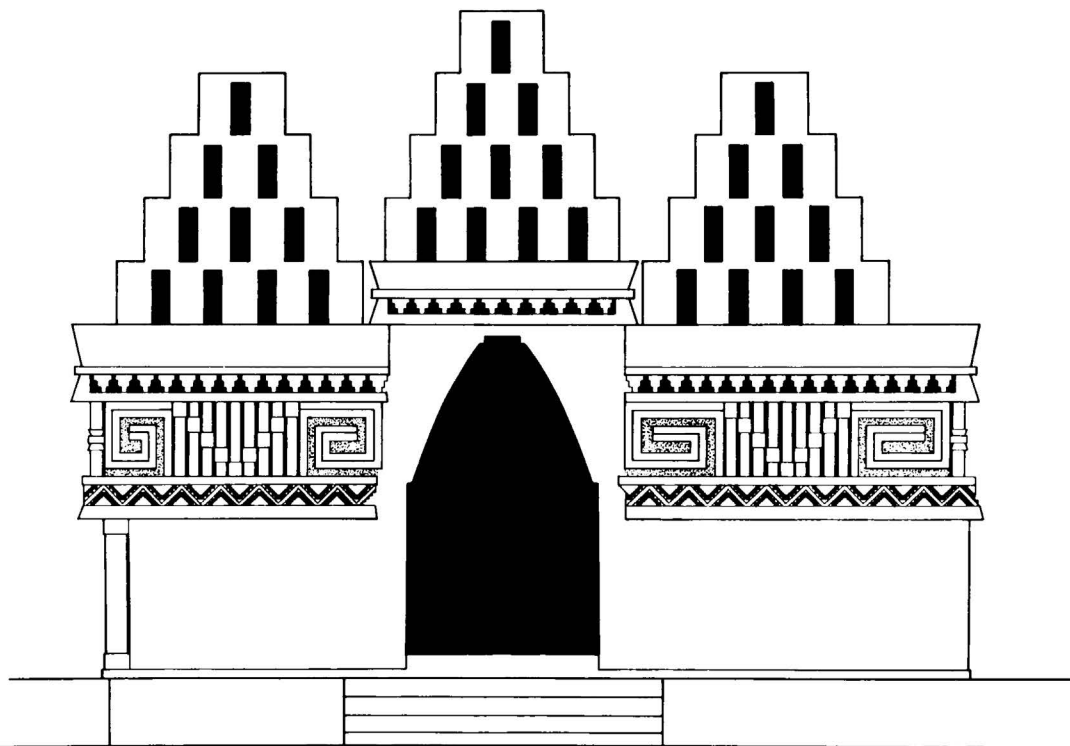
Dimensions: .68 m. thick at base. Central section 3.65 m. wide, adjacent section 3.83 m. wide. Slots .26 m. wide. Overall height unknown as only lowest tier is still in place.

Decoration: None in place.

**ARCHITECTURAL STYLE:** Classic Puuc Mosaic style.

**COMMENTS:** Southeast Wing appears to be secondary to East Wing. Proskouriakoff (1946, pl. 16) showed roofcomb in triangular, stepped form but there is no real evidence to support this configuration, as only lowest tier of roofcomb was still standing at time of discovery.





PORTAL VAULT · LABNA, YUCATAN, MEXICO  
SOUTHEAST ELEVATION

**SOUTH GROUP**

Small group with two buildings at right angles to each other, situated on low hillside about seven hundred and fifty meters southwest of Structure 11. Both buildings stand on hillside terraces overlooking a small court, but Structure 1 is raised about 1.5 meters above floor level of Structure 2. See Pollock (1980: fig. 92) for sketch plan of this group.

**STRUCTURE S1 (South Group, Structure 1)**

**GENERAL DESCRIPTION:** Small single-room building with doorway on southeast side, overlooking small court below. Building stands on platform, with stairway on southeast side leading down to court on lower level.

**ORIENTATION:** Main facade faces southeast.

**EXTERIOR WALLS:** Details below are for southeast facade.

**BASE MOLDING:**

Form: Single member, rectangular base.

Size: .38 m. high.

Projection: .05 m. at top.

**LOWER WALL ZONE:**

Height: 1.97 m., top of base to bottom of medial molding.

Stonework: Walls faced with 6 courses of moderately well-cut veneer-type blocks, varying some in size.

Thickness: Front wall .57 m. thick at doorjamb.

Decoration: Large, 3/4 round columns with spools top, bottom, and center at front corners. Vertical row of geometric designs .20 m. wide, adjacent to doorway, next to single, long colonnettes with spools top, bottom, and center.

**DOORWAYS:**

Shape: Rectangular.

Jambs: Faced with large slabs, full thickness of wall.

Lintels: Stone lintel, .26 m. thick.

**MEDIAL MOLDING:**

Form: Three members. Outward sloping apron-type members top and bottom. Decorated central member (see photos).

Size: Overall height .57 m. Upper and lower members .20 m. high, central member .16 m. high.

Projection: .17 m. at bottom.

Decoration: Central member consists of row of circular "horseshoe" shapes.

**UPPER WALL ZONE:**

Height: Uncertain - upper portion fallen.

Stonework: See "Decoration" below.

Decoration: Continuous row of colonnettes, with spools at center, in front and northeast end walls. Rear wall plain.

Other: Southwest end wall unfinished.

**CORNICE:** No data, completely fallen. Assume three member molding, same as medial molding.

**ROOF STRUCTURE:** None.

**ARCHITECTURAL STYLE:** Classic Puuc Colonnade style.

**COMMENTS:** Southwest end wall left unfinished as though another room, which was never built, was to be added. Similar detail can be seen in northwest end wall of Structure S2.

**STRUCTURE S1** (South Group, Structure 1)**INTERIOR DETAILS:** Room 1**DIMENSIONS:**Length: 5.75 m.Width: 2.33 m.**WALLS:**Height: 2.21 m., floor to springline.Thickness: Front wall .57 m. thick at doorjamb.Stonework: Walls faced with small blocks of varying size, only roughly dressed.Doorways: Exterior doorway .95 m. wide. Stone lintel above, .26 m. thick. .43 m. bottom of lintel to springline.Rod Sockets: Small rod sockets in both jambs, one high, two low. Upper sockets .10 m. below lintel and .10 m. from inside wall. Lower sockets .33 m. above floor, .17 m. to center from jambs.Cordholders: Finger-type cordholders high and low both sides of doorway, .46 m. from jambs.Rings: None.Wall Openings: None noted.Platforms: None.Other: First course of wall facing stones below springline slightly recessed. This course about .25 m. high.**VAULTS:**Springline Offset: About .07 m.Height: 1.24 m., springline to bottom of molding below capstones.Form: Vault faces show slight curvature.Stonework: Vault faced with roughly dressed wedge-shaped stones with beveled faces.Capstones: Capstone span varies, .33 to .40 m., as moldings below capstones form irregular lines.Crossbeams: Single crossbeams near ends of room, about .17 m. to center below springline. Additional crossbeams high in vault just below springline.**OBSERVATIONS:** All facing stones in walls and vaults very roughly dressed and surfaces of walls and vaults irregular due to poor stonework.

SITE: LABNA

NUMBER: 16Qd(10): 12

DATE: 3/1/1978

**STRUCTURE S2 (South Group, Structure 2)**

**GENERAL DESCRIPTION:** Small, one-room building measuring about 6.56 m. long and 3.75 m. deep overall. Single doorway faces southwest, overlooking small court in front of, and below, Structure S1.

**ORIENTATION:** Main facade faces southwest.

**EXTERIOR DETAILS:** Details below are for southwest and southeast facades.

**BASE MOLDING**

Form: Single member, rectangular base.

Size: .38 m. high.

Projection: .025-.03 m.

**LOWER WALL ZONE:**

Height: 1.97 m., top of base to bottom of medial molding.

Stonework: Walls faced with 6 courses of moderately well-cut, veneer-type blocks, set in relatively even courses.

Thickness: Front wall .52 m. thick at doorjamb.

Decoration: Four long colonnettes with spools top, bottom, and center, in front wall. See photo for location.

**DOORWAYS:**

Shape: Rectangular.

Jambs: Faced with large slabs, full thickness of wall.

Lintels: Stone lintel, about .25 m. thick.

**MEDIAL MOLDING**

Form: Three members. Apron-type lower member and rectangular member at top. Decorated central member (see detail).

Size: Overall height .61 m. Upper member .14 m. high, lower member .21 m. high.

Projection: .21 m. at bottom.

Decoration: Groups of 3 spools, alternating with stepped frets, in central member.

**UPPER WALL ZONE:**

Height: 1.10 m., top of medial molding to bottom of cornice.

Stonework: See "Decoration" below.

Decoration: Southwest (front) and southeast(end) walls filled with groups of 3 colonnettes with spools, top, bottom and center, alternating with stepped frets (see photos). Rear wall filled with bonded colonnettes only - no frets. Northwest end wall unfinished.

**CORNICE:**

Form: Probably four members, although upper coping member now fallen. Apron-type lower member with row of short colonnettes above. Next to highest member consists of row of circular "horseshoe" shapes, similar to those seen in medial molding of Structure S2.

Size: Total height of lower three members about .56 m.

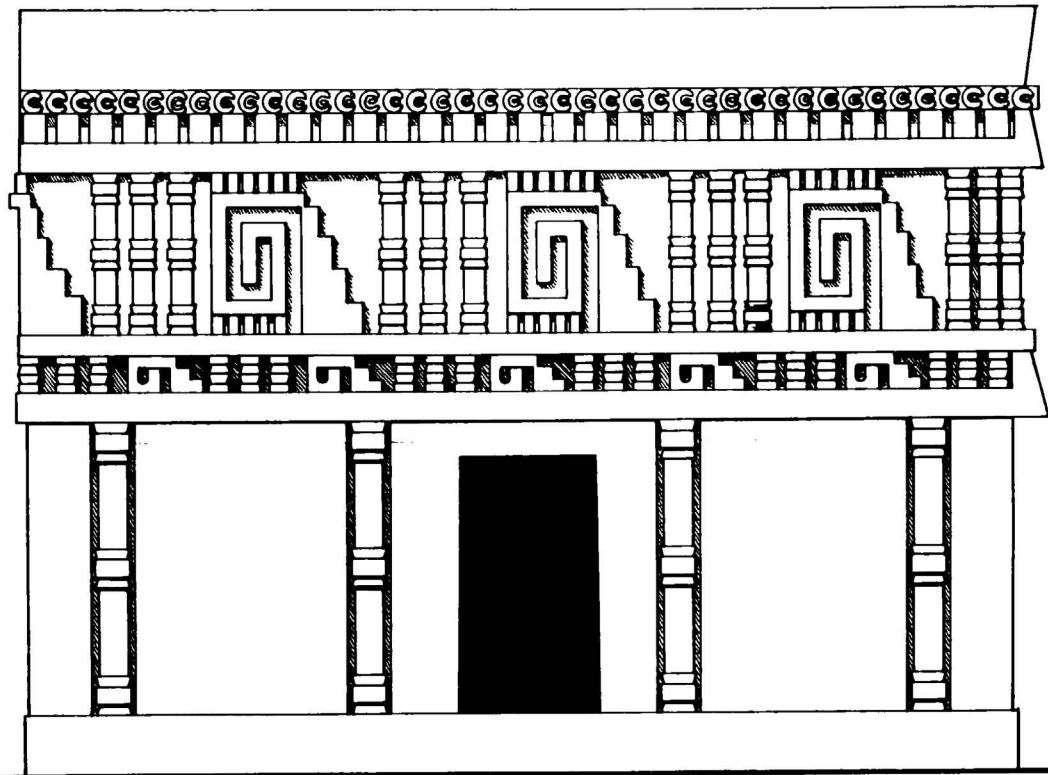
Projection: .15 m. at bottom.

Decoration: Short colonnette in next to lowest member with row of circular "horseshoe" shapes above.

**ROOF STRUCTURE** None.

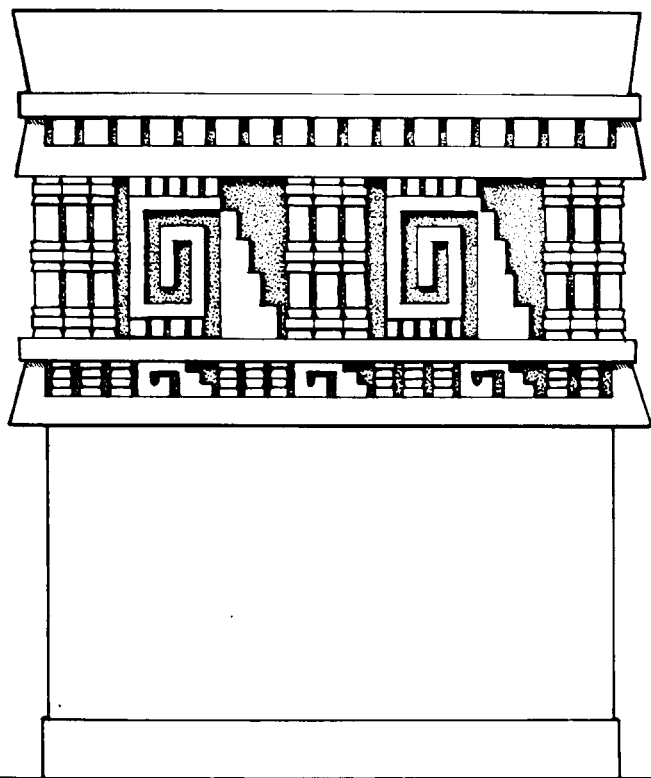
**ARCHITECTURAL STYLE:** Classic Puuc Mosaic style.

**COMMENTS:** Northwest end wall of this building left unfinished, as though in preparation for additional room, which was never built.



Elevation, Main facade (restored)

Labna, Yucatan  
 Site 16Qd(10): 12  
 Structure S2  
 G.F. Andrews, 1978



End Elevation - (restored)

Labna, Yucatan  
Site 16Qd(10): 12  
Structure 52  
G.F. Andrews, 1978



**SITE:** LABNA

**NUMBER:** 16Qd(10): 12

**DATE:** 3/1/1978

**STRUCTURE S2** (South Group, Structure 2)

**INTERIOR DETAILS:** Room 1

**DIMENSIONS:**

Length: 5.43 m.

Width: 2.74 m.

**WALLS:**

Height: 2.15 m., floor to springline.

Thickness: Front wall .52 m. thick at doorjamb.

Stonework: Walls faced with small, roughly dressed blocks varying in size, set in uneven courses.

Doorways: Exterior doorway .94 m. wide.

Rod Sockets: Small rod sockets in both doorjamb, one high, two below.

Cordholders: Small, finger-type cordholders high and low both sides of doorway.

Wall Openings: None noted.

Platforms: None.

**VAULTS:**

Springline Offset: .09 m.

Height: 1.35 m., springline to bottom of molding below capstones.

Form: Vault faces show moderate curvature.

Stonework: Vault faced with wedge-shaped specialized stones with beveled faces, only roughly dressed.

Capstones: Capstone span about .35 m. Molding below capstones .15 m. high.

Crossbeams: No data.

**OBSERVATIONS:** All interior details of this room very similar to those seen in Structure S1.

SITE: LABNA

NUMBER: 16Qd(10): 12

DATE: 3/1/1978

### STRUCTURE S3

Structure S3 is a mostly fallen, small building, situated about one hundred and eighty meters south-southwest of South Group. Small portions of south (rear) wall still standing include three-member medial and cornice moldings, with plain upper wall zone between. Both moldings have outward sloping, apron-type members top and bottom, with rectangular central members. Overall height of moldings about .56m; central member .12 m. high. Stonework is in the best classic Puuc tradition, compared to rather rough stonework seen in Structures S1 and S2. Hard to say if this building should be considered as part of South Group, as my notes do not make this clear.



**BACKGROUND:** Site was investigated in the early 1960's by Roman Piña Chan, INAH, Mexico, who carried out an extensive program of excavation and consolidation involving the main structures. His report (1963) describes this work in some detail, with the emphasis on Structure A, an Early Puuc style, temple-type building with a high roofcomb, which had been buried inside a later stepped pyramid. The site is best known for the polychrome mural paintings which were found on the interior walls of Structure A, which were later removed and taken to the archaeological museum in Merida.

Pollock (1980) mentioned this site but did not include any architectural data. I visited the site in 1973 and 1974 and my data refers mostly to Structure A and the later covering pyramid, which is called Structure C. By then, the paintings had already been removed but have been reproduced in several publications.

**SITUATION:** The site is situated about 2 km west-northwest of the modern village of Santa Elena, and can be reached via a dirt road commencing near the cemetery of Santa Elena.

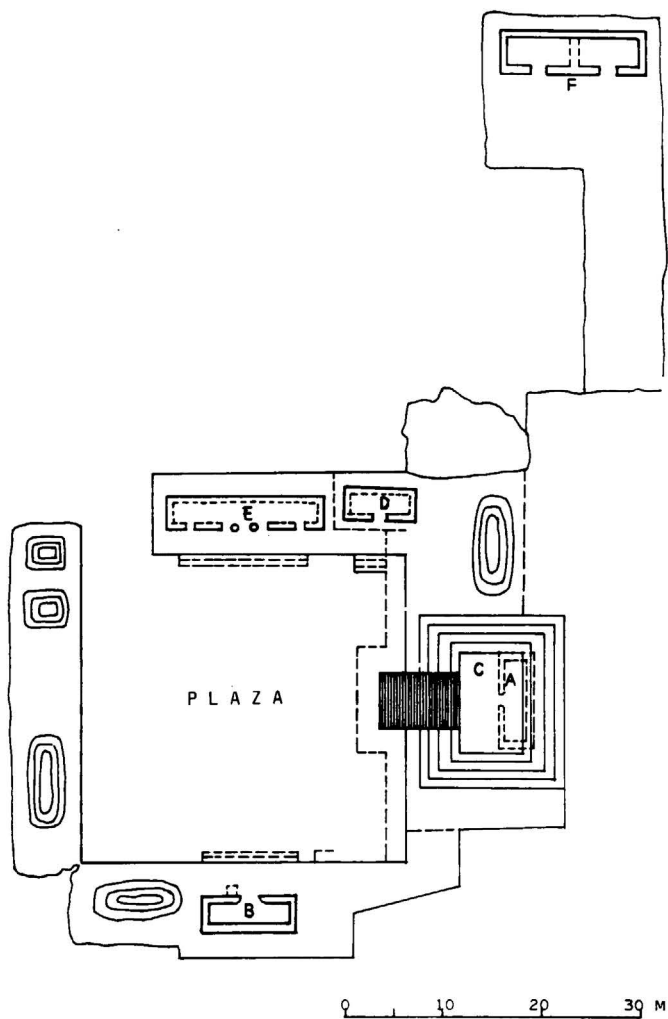
**TOPOGRAPHY:** The natural terrain is gently rolling in the vicinity of the site and the principal group of structures is sited on a low hillock.

**WATER SUPPLY:** Unknown. Piña Chan's sketch map does not show any chultuns and we did not observe any of these cisterns during our two visits to the site, although they must be present.

**MAPS:** See sketch map ( by Piña Chan) included with present report.

**SIZE:** Site is very small - principal group covers an area of 50 by 60 meters.

**CIVIC PLAN:** The principal structures are arranged around all four sides of a courtyard. Medium high pyramid on east side (Structure C), with one-story structures on other three sides. Additional small building (Structure F) located about 40 m. north of pyramid. This kind of quadrangular organization is fairly common at Puuc sites.

SITE MUL-CHICLOCATION YUCATAN - M3DATE 1974BUILDING -DRAWING SITE MAPNO. P/M3/1

MUL-CHIC SITE PLAN

**STRUCTURE A (BURIED TEMPLE)**

**GENERAL DESCRIPTION:** Small, one-room building with high roofcomb over front wall, which was later buried inside of a medium-sized stepped pyramid. Single doorway on west side. Lower walls of interior covered with polychrome mural paintings, although only those on west and east walls had survived. Interior filled with dry-laid rubble at the time building was interred within outer pyramid.

**ORIENTATION:** Main facade faces west.

**EXTERIOR DETAILS:** Details below are for main (west) facade, other facades similar.

**BASE MOLDING:**

*Form:* Single member, rectangular molding.

*Size:* .23m. high.

*Projection:* .037 at top.

**LOWER WALL ZONE:**

*Height:* 1.70m. - top of base to bottom of medial molding.

*Stonework:* Walls faced with 6 - 7 courses of roughly dressed blocks, set in uneven courses.

*Thickness:* Front wall, .45m. thick at doorjamb.

*Decoration:* Traces of stucco sculpture on face of wall south of doorway. Photo in Pina Cham (1962, Pl. III) shows figures of a man and a deer on the wall, but those have now fallen or have been removed.

**DOORWAYS:**

*Shape:* Rectangular.

*Jambs:* Faced with small blocks, similar to those used in wall facings.

*Lintels:* Stone lintel, about .23m. thick.

**MEDIAL MOLDING:**

*Form:* Single member, rectangular molding.

*Size:* .20m. high.

*Projection:* .07 - .10m. at bottom.

*Decoration:* None.

*Other:* Molding breaks up over doorway - space below "broken" molding is 2.68m. wide, .42m. high.

**UPPER WALL ZONE:**

*Height:* 1.42m. top of medial molding to top of roof.

*Stonework:* Wall faced with 5 courses of small blocks, moderately well-cut.

*Decoration:* Uncertain - projecting stone just above medial molding near south end of main facade which may have served as support for stone or stucco sculpture.

**CORNICE:** None.

**ROOF STRUCTURE:**

*Description:* Single wall, slotted roofcomb with large, three-member, horizontal molding above lower 2 rows of slots.

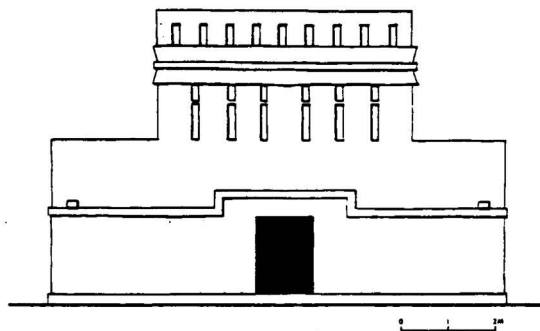
*Location:* Over front wall.

*Dimensions:* .63m. thick at base. Overall height 2.79m. Upper section .76m. high, horizontal molding .81m. high. Lower section 1.22m. high.

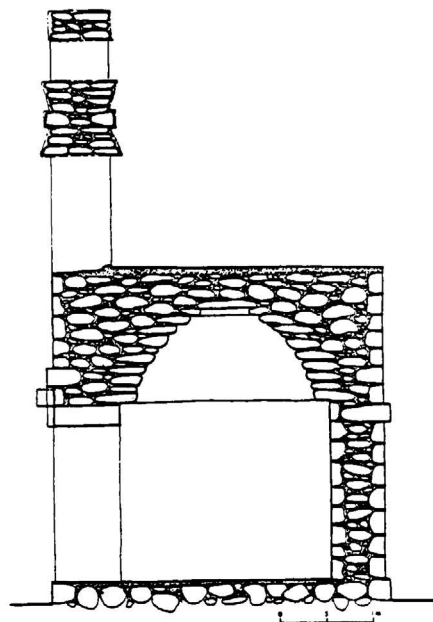
*Decoration:* Stucco sculptures on face of piers below molding (see photos). Traces of orange paint on plaster in slots and on horizontal molding.

**ARCHITECTURAL STYLE:** Early Puuc style - Pollock (1980: 584) classified Structure A as a Proto-Puuc style building, based mostly on rough, corbelled vaulting. Actually the architectural and construction features of Structure A are very typical for Early Puuc style buildings.

**COMMENTS:** The mural paintings on the interior walls of Structure A represent an extremely important discovery as mural paintings are very rare in Puuc buildings. The paintings have been discussed in some detail by Pina Chan (1962) and Paul Gendrop (197?) and there is really nothing I can add to these analyses.

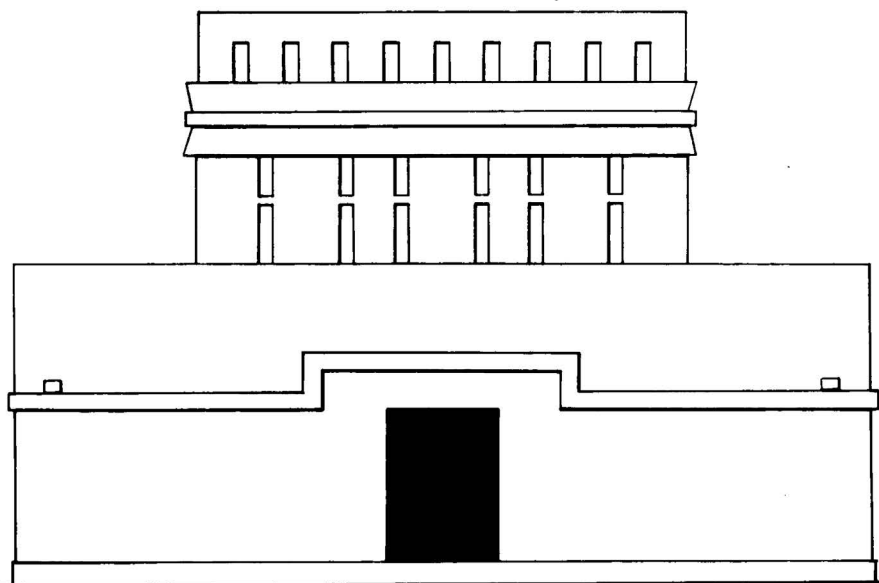


Mul-Chic, Structure A. Restored elev.

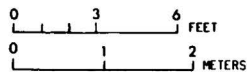


Mul-Chic, Structure A  
 Section





West Elevation - [restored]



**Mul-Chic**, Yucatan

Site 16Qd(10): 9

Structure A

G.F. Andrews, 1974

SITE: MUL-CHIC

STRUCTURE A (Buried Temple)

INTERIOR DETAILS:

ROOM 1

DIMENSIONS:

Length: 8.36m. +/-

Width: 2.28m. at south end.

WALLS:

Height: 1.93m. - floor to springline.

Thickness: Front wall .45m. thick at doorjambs.

Stonework: Walls faced with small blocks with squarish faces, only roughly dressed.

Doorways: Exterior doorway 1.24m. wide, jambs faced with medium-sized slabs, full thickness of wall.

Rod Sockets: No data.

Cordholders: No data.

Wall Openings: None noted.

Platforms: None.

Other: At time of discovery (1961?), the west wall, and part of the east wall, were covered with polychrome mural paintings. Subsequently, these were removed and are now in the archaeological museum in Merida.

VAULTS:

Springline Offset: .15m. - front wall.

Height: .94m. +/-, springline to bottom of molding below capstones.

Form: Vault faces show considerable curvature.

Stonework: Vault faced with roughly dressed slabs, forming a corbelled vault. Surfaces very irregular due to poor stonework.

Capstones: Capstone span irregular - .46 - .56m.

Crossbeams: No data.

OBSERVATIONS: At the time this room was cleared and consolidated, some glass blocks were mounted in the roof in order to provide sufficient light to view the mural paintings on the walls. Unfortunately, the paintings were later removed and visitors now have only a view of bare walls.



**SITE:** MULUCHTZEKAL

**NUMBER:** 16Qd(10:22/51

**DATE:** 3/7/1984

**BACKGROUND:** Teobert Maler is the first person to report on this site but his notes have not yet been published. A Maler photograph of a classic Puuc building was published by Case (1911) but this building has now completely fallen. Pollock (1980) provided brief descriptions and some illustrations of buildings from four different groups. Karl Mayer (1983) published some material on sculptured monuments at the site but did not deal with the architecture. Most recently, Nicholas Dunning (1987) spent some time exploring the various groups and prepared sketch maps of the larger structures in the West Group, Central Group, North Group, and South Group. I visited the site in 1983 and 1984 and my notes and data pertain mostly to individual buildings in the West, Central, and South Groups.

**SITUATION:** According to Dunning (1987), the principal buildings of the West Group lie immediately west of the Ruta Puuc highway at Km. 11. The Central Group is about 1 km. to the east and the North Group about 1 km. to the northeast. The South Group is situated about 100 m. east of the Ruta Puuc highway at km. 12.

**TOPOGRAPHY:** The site is situated along the long escarpment which divides the Santa Elena and Bolonchen (Uitz) subregions. The South Group is on the lower slopes of the escarpment itself while other groups were sited on a series of low ridges lying north of the Oxlak Aguada.

**WATER SUPPLY:** Large aguada known as Oxlak (Three arms) as well as numerous chultunes.

**MAPS:** Sketch maps of various groups by Dunning (1987) are only detailed maps of entire site. Pollock (1980) showed general location of site on map of Sabacche region. I made very rough sketch map of part of South Group in 1984. Copies of Dunning maps included in present report for easy referral.

**SIZE:** Site, though dispersed, covers a considerable area and Dunning (1987) gives settlement area of 4.2 square kilometers. See individual maps by Dunning for size of individual groups. Given Rank 2 (11) by Dunning and I concur.

**CIVIC PLAN** While site sprawls over a large area, the general disposition of building groups appears to have been determined by fortuitous land features and the higher elevations (mostly low ridges) have been consistently exploited for building purposes. According to Dunning, the lowest density is near the aguada where the land is innudated during the rainy season. Central Group can be thought of as site center, with North, West, and South Groups as "satelites", each of which contains several major vaulted masonry structures. Most of smaller groupings of masonry buildings form well organized, rectalinear groups but there is no overall formal organization. See Dunning (1987) for further discussion of site planning and civic plan.

Figure 19:  
Sketch Map of the West Group,  
Mulutzekel (San Francisco), Yucatán  
[Site 16 Qd (10): 22]

- N. P. Dunning 4/87

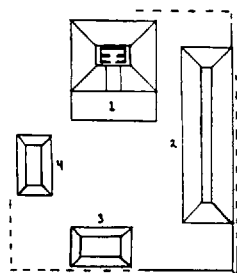
o = chultun

o = altar

br = foundation brace

Contour = 2 meters

0 50 m.



Mountains continue



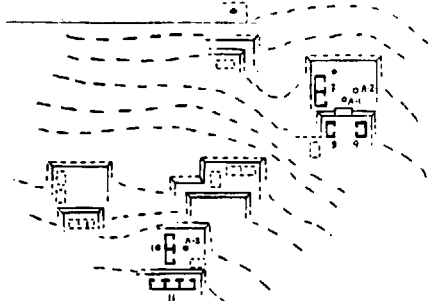
apsidal house mounds

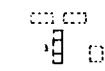
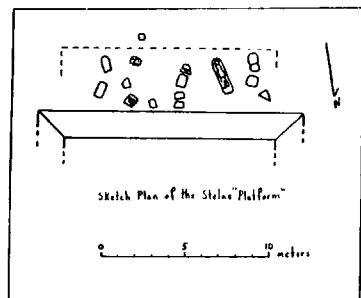


unexplored



modern highway

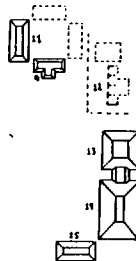




Grupa Morte de  
G. Andrews (GANG)



gradual  
upslope



Mounds  
continuous

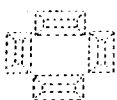
Figure 18:  
Sketch Map of portions of the  
Central Group, Muluchtaschel  
(San Francisco), Site WAD (14) 51  
-Al. P. Dunning 1/87  
archaeologist's sketch  
0 50 100 meters

Area of numerous  
small mounds



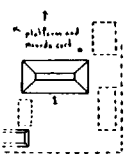
North Group 556m

Mounds  
continuous

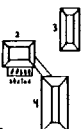


West Group 1750m

Mounds  
continuous



platform and  
mound cut



platform and  
mound cut

platform and  
mound cut

platform and  
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Grupa Morte de  
G. Andrews

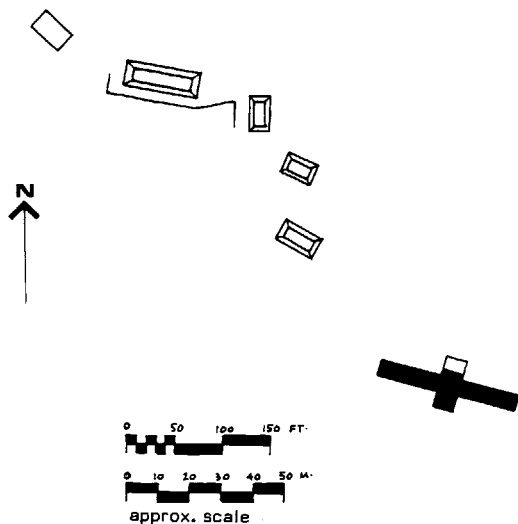
103

gradual  
upslope





SITE MULULTSEKAL LOCATION YUCATAN-M4 DATE 3/27/84  
BUILDING SOUTH GROUP DRAWING SKETCH MAP NO. P/M4/1



SKETCH MAP: SOUTH GROUP

## STRUCTURE 1, SOUTH GROUP

**GENERAL DESCRIPTION:** Structure 1 has eight rooms in line, including two narrow rooms which are more like passageways, divided into two sets by means of broad projecting stairway, with passageway below and solid core behind. One additional room at rear behind solid core south of stairway, making a total of nine rooms in all (see plan). Building stands on low platform or terrace, about 1-1.5 m. high, and main set of rooms faces north. Unfortunately, building is now mostly destroyed and the rooms are filled with debris from fallen vaults and walls. No portion of upper facade still preserved and details of upper wall zone are unknown. We noted several short colonnettes in debris, of the kind that are normally found in moldings, but their original location is uncertain.

**ORIENTATION:** 12 degrees (magnetic), perpendicular to main facade.

**EXTERIOR DETAILS:** Details below are for north facade.

**BASE MOLDING:** No data - covered with debris.

**LOWER WALL ZONE:**

Height: Uncertain - lower portion covered with debris.

Stonework: No real data - exterior wall, main facade, mostly fallen.

Thickness: .73 m. (front wall of Room 6)

Decoration: No data.

**DOORWAYS:**

~~Shape: Rectangular~~ *not bold*

~~Jamba: Faced with large slabs, full thickness of wall~~

~~Decor: Stone lintel, stone sill, stone threshold~~

**MEDIAL MOLDING:**

Form: Uncertain.

Size: Lower member .24 m. high.

Projection: .26 m. at bottom.

Decoration: No data for main facade.

Other: Small section of medial molding on west side of rear room shows different details than those seen in north rooms. This molding, which has three members, carries a zig-zag design in the central member (see details).

**UPPER WALL ZONE:** Upper wall zone completely fallen - no data.

**CORNICE:** No data, fallen.

**ROOF STRUCTURE:**

Description: Low platform with three-member moldings along outer edges.

Location: Over solid core behind stairway on north side.

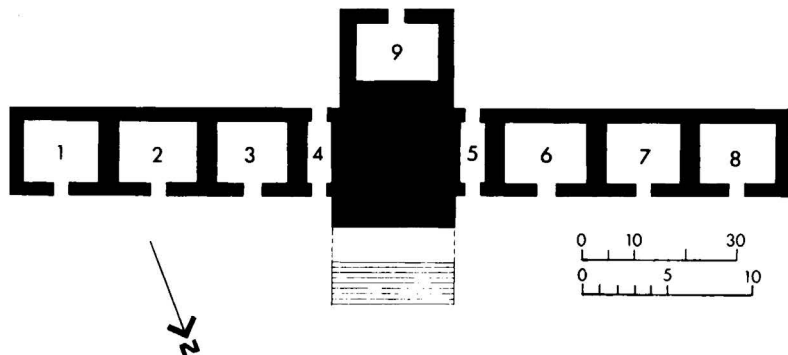
Dimensions: No data.

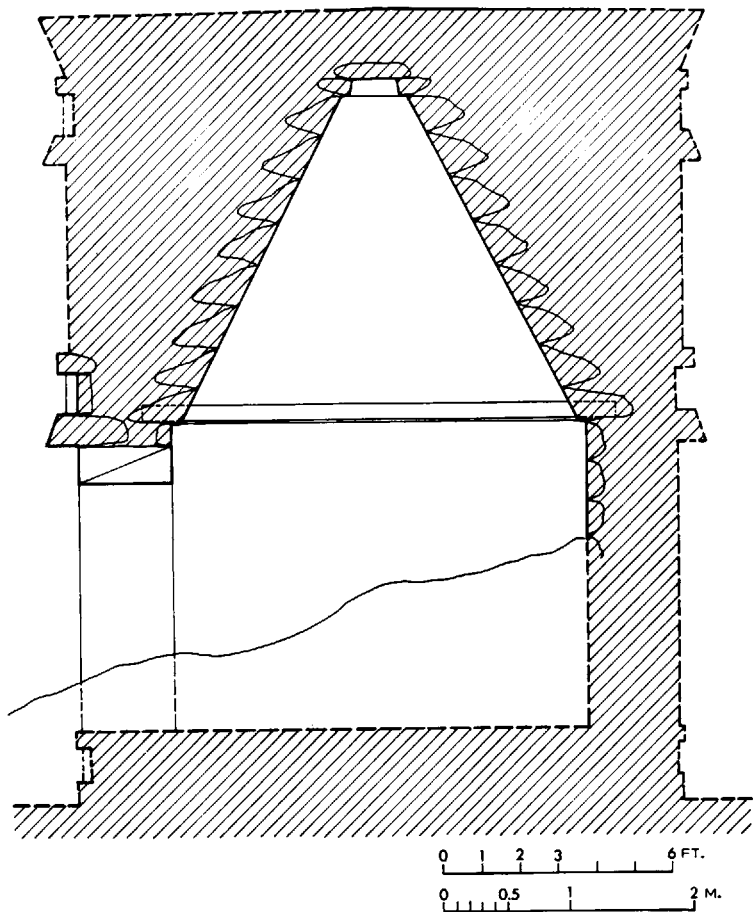
Decoration: Molding on north face of platform carries continuous row of short colonnettes in central member.

**ARCHITECTURAL STYLE:** Classic Puuc Colonnade style. This classification is tentative and is based on colonnettes in molding of platform at head of stairway on north side. Zig-zag decoration in central member of medial molding of rear room (Room 9) suggests classic Puuc Mosaic style.

**COMMENTS:** Stairway on north side leading to platform on upper level has vaulted passageway, about 2.08 m. wide, below. Inner face of passageway is about 1.52 m. from exterior face of main rooms. Stairway about 7.43 m. wide but all steps now fallen.

SITE MULULTSEKAL LOCATION YUCATAN- M4 DATE 3/22/83  
BUILDING SOUTH GROUP, STR. DRAWING PLAN NO. P/M4/2



SITE MULULTSEKALLOCATION Yucatan - M4DATE 3/22/83BUILDING South Group, Str.DRAWING SectionNO. P/M4/3

**SITE:** MULUCHTZEKAL

**NUMBER:** 16Qd(10):51

**DATE:** 3/22/1983

**STRUCTURE 1, SOUTH GROUP**

**INTERIOR DETAILS:**

**ROOM 1**

Length: 4.48 m. (approx).

Width: No data - front wall fallen.

Walls: Dividing wall to Room 2 - 1.09 m. thick.

**ROOM 2**

Length: 4.64 m.

Width: 3.31 m.

**VAULTS:**

Springline Offset: .06 m.

Height: 2.59 m - springline to bottom of molding below capstones.

Form: Vault faces show straight sides.

Stonework: Vault faced with 8 courses of medium sized, wedge-shaped stones, fairly well-dressed.

Capstones: Capstone span about .38 m. Molding below capstones about .10 m. high.

Crossbeams: Single crossbeams near ends of room just above vault springline. No data on upper crossbeams, if any.

**ROOM 3** No data - fallen.

**ROOM 4:** No data - mostly fallen.

**ROOM 5:**

Length: 3.52 m.

Width: 1.47 m.

Doorways: Doorways in front and rear walls are .96 m. wide. Stone lintels above, about .30 m. thick.

Walls: Exterior wall at both front and rear about .73 thick.

**ROOM 6:**

Doorway: Exterior doorway 1.13 m. wide.

Other: No other data.

**ROOM 7:**

Doorways: Exterior doorway .95 m. wide.

Other: No other data.

**ROOM 8:**

Length: 4.48 m.

Width: No data.

**ROOM 9:**

Length: 4.96 m.

Width: 3.35 m.

Vault: Vault is 2.13 m. high; faced with 7 courses of wedge-shaped stones.

**SITE:** MULUCHTZEKAL

**NUMBER:** 16Qd(10):51

**DATE:** 3/7/1984

**STRUCTURE 1, CENTRAL GROUP (GFA North Group)**

**GENERAL DESCRIPTION:** Small building with five rooms; three rooms in line facing south with two lateral rooms behind at northwest corner (see plan). Floor of central room on south side raised about .61 m. above floor level of adjacent rooms (Rooms 1 and 3). Building is badly fallen and only central room on south side is relatively intact.

**ORIENTATION:** 187 degrees (magnetic) perpendicular to main facade.

**EXTERIOR DETAILS:** Details below are for south facade in front of Room 2.

**BASE MOLDING:** No data - covered with debris.

**LOWER WALL ZONE:**

Height: Unknown - lower portion covered with debris.

Stonework: Walls faced with small, squarish blocks, now mostly fallen or removed by looters.

Thickness: Front wall of Room 2 about .61 m. thick at doorjamb.

Decoration: None.

**DOORWAYS:**

Shape: Rectangular.

Jambs: Faced with small blocks, similar to those used in wall facings. East jamb of Room 2 now fallen.

Lintels: Stone lintel over doorway to Room 2, about .21 m. thick.

**MEDIAL MOLDING:**

Form: Single member, rectangular molding.

Size: .19 m. high.

Projection: .12 m. at bottom. Upper wall steps back .22 m. from outer face of molding.

Decoration: None.



**UPPER WALL ZONE:**

Height: Unknown - upper portion now fallen.

Stonework: Upper wall faced with six or more courses of small blocks, only moderately well-dressed.

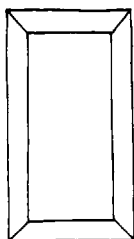
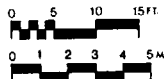
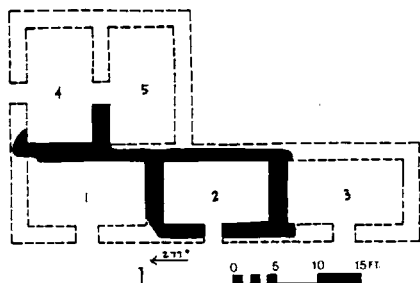
Decoration: None.

**CORNICE:** None visible and I believe there was no cornice molding of any kind.

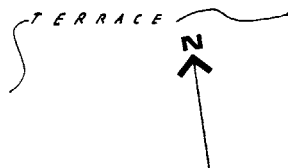
**ROOF STRUCTURE:** None.

**ARCHITECTURAL STYLE:** Early Puuc style. All architectural, construction and decorative details of this building are typical for the Early Puuc style.

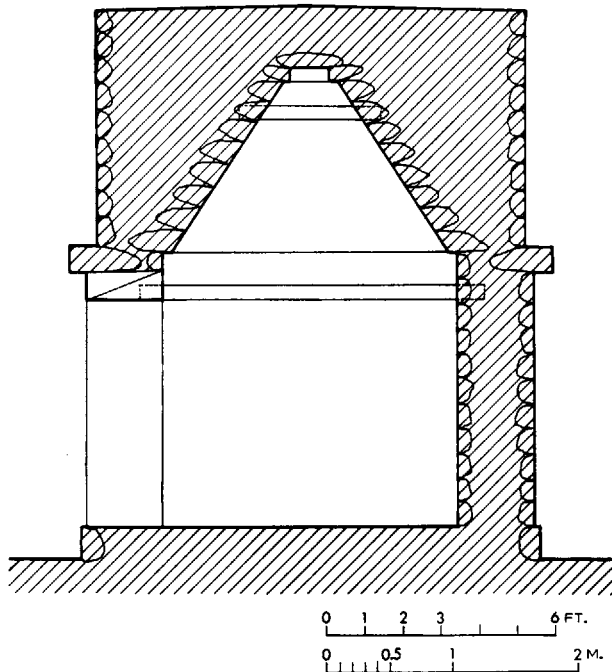
**COMMENTS:** My notes say that Room 3 (room to east of central room, south side) may not have been finished as there is insufficient debris to represent the remains of a fallen room. On the other hand, debris may have been removed by local inhabitants in order to obtain building materials for modern building(s).



2



SITE MULULTSEKAL LOCATION Yucatan - M4 DATE 3/1/84  
 BUILDING Str. 1 (North Bldg) DRAWING Section - Room 2 NO. P/M4/6  
NORTH GROUP



## STRUCTURE 1, CENTRAL GROUP

### INTERIOR DETAILS: ROOM 2

#### DIMENSIONS:

Length: 3.95 m.

Width: 2.36 m.

#### WALLS:

Height: Unknown - room partly filled with debris.

Thickness: Exterior wall .61 m. thick at doorjamb.

Stonework: Walls faced with 11 courses of small blocks, moderately well-dressed.

Doorways: Exterior doorway .61 m. wide. Stone lintel above, .21 m. thick. Bottom of lintel to springline .35 m.

Rod Sockets: None.

Cordholders: Finger-type cordholders both sides of doorway high and low.

Rings: None.

Wall Openings: None noted.

Platforms: No data.

#### VAULTS:

Springline Offset: About .06 m.

Height: 1.37 m. - springline to bottom of molding below capstones.

Form: Vault faces show slight curvature

Stonework: Vault faced with 8 courses of wedge-shaped stones.

Capstones: Capstone span .30 m. Molding below capstones .10 m. high. Line of capstones irregular.

Crossbeams: Single crossbeams near both ends of room in second course of stones below springline. Additional crossbeams near ends of room in second course of stones below capstone molding.

**OBSERVATIONS:** Vault springlines of adjacent rooms (Rooms 1 and 3) about .61 m. lower than springline of Room 2, indicating that floor lines of these rooms were also lower than floor line of central room. No real data recorded for Rooms 1, 3, 4, and 5 as these rooms are now mostly fallen.

**SITE:** MULUCHTZEKAL

**NUMBER:** 16 Qd(10):22

**DATE:** 3/7/1984

**STRUCTURE 1, WEST GROUP**

**GENERAL DESCRIPTION:** Small, two-room building (one room behind the other) which faces south. Building stands on top of good sized pyramidal mound with broad stairway on south side. A narrow platform just below floor level of main building extends westward for a distance of about 6 meters. This platform may represent remains of room on lower level which has now fallen.

**ORIENTATION:** 187 degrees (magnetic) perpendicular to front wall.

**EXTERIOR DETAILS:** Details below are for facade at west end.

**BASE MOLDING:** No data - covered with debris.

**LOWER WALL ZONE:**

Height: Uncertain - lower portion covered with debris.

Stonework: Walls faced with small blocks varying in size, only roughly dressed.

Thickness: Front wall - .68 m. thick.

Decoration: None.

**DOORWAYS:** Exterior doorway fallen. No data.

**MEDIAL MOLDING:**

Form: Single member, rectangular molding.

Size: .17 m. high.

Projection: .09 m. projection at bottom, front wall but .15 m. projection at west end wall. Upper wall set back .23 m. from face of molding.

Decoration: None.

**UPPER WALL ZONE:**

Height: Unknown, upper portion fallen. Estimated height 206 m. (approx).

Stonework: Walls faced with square to rectangular blocks, varying considerably in size. Better dressed than facing stones in lower walls.

Decoration: None.

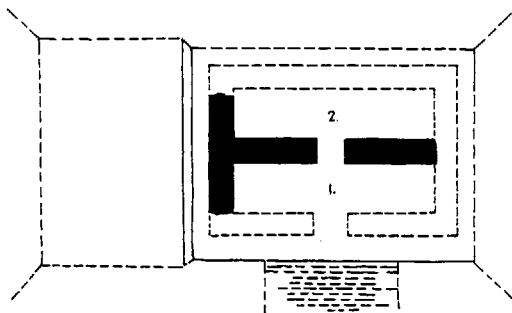
**CORNICE:** No data - upper portion of wall fallen. Assume there was no cornice molding as is typical for most Early Puuc style buildings.

**ROOF STRUCTURE:** None.

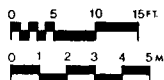
**ARCHITECTURAL STYLE:** Early Puuc style.

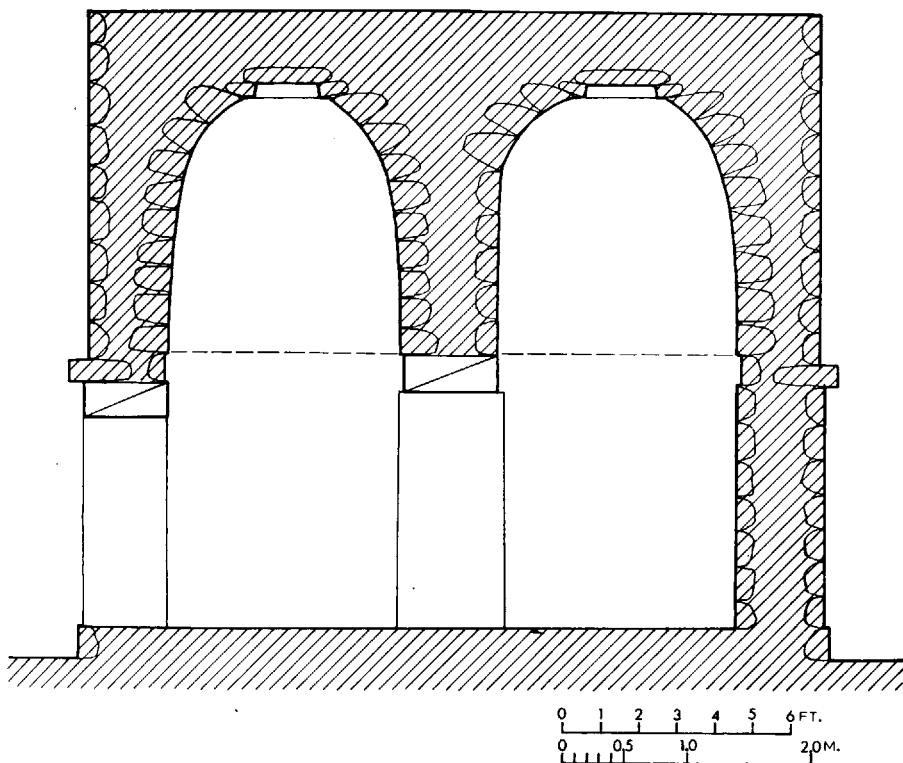
**COMMENTS:** My notes from 1984 say that building was close to complete collapse at that time and that vaults would probably collapse within the near future.

SITE MULULTSEKAL LOCATION YUCATAN-M4 DATE 3/7/84  
 BUILDING WEST GROUP, N. Bldg DRAWING PLAN NO. P/M4/4



PLAN: NORTH BLDG  
WEST GROUP



SITE MULULTSEKALLOCATION YUCATAN - M4DATE 3/7/84BUILDING WEST GROUP, N. SLOG. DRAWING SECTION - ROOMS 1 & 2NO. P/M4/5



**SITE:** MULUCHTZEKAL

**NUMBER:** 16Qd(10):22

**Date:** 3/7/1984

**STRUCTURE 1, WEST GROUP**

**INTERIOR DETAILS: Room 1**

**DIMENSIONS:**

Length: 6.87 m.

Width: 1.83 m.

**WALLS:**

Height: No data. Room partly filled with debris.

Thickness: Front wall .68 m. thick.

Stonework: Walls faced with small, squarish blocks, deeply tenoned into hearting.

Doorways: Doorway in dividing wall to Room 2 .99 m. wide. Stone lintel above, .27 m. thick.

Rod Sockets: No data.

Cordholders: No data.

Rings: None.

Wall Openings: None noted.

Platforms: No data - room partly filled with debris.

**VAULTS:**

Springline Offset: About .01 m. front wall. Offset at rear wall is due to fact that first course of stones below normal springline is recessed .01-.02 m. (see photo).

Height: 2.04 m. - springline to bottom of molding below capstones.

Form: Vault has unusual form. Lower portion has nearly vertical face for height of six courses. Balance of face above with considerable curvature.

Stonework: Vault faced with 9 courses of slab and wedge-shaped stones.

Capstones: Capstone span about .30 m. Molding below capstones .10 m. high.

Crossbeams: No data.

**OBSERVATIONS:** Shape of vault over this room similar to that seen in vault of Hilltop Building (Structure 1) at Xculoc.

SITE: MULUCHTZEKAL

NUMBER:

DATE: 3/7/1984

## STRUCTURE 1, WEST GROUP

### INTERIOR DETAILS: Room 2

#### DIMENSIONS:

Length: About 7.3 m.

Width: Uncertain - exterior wall completely fallen.

#### WALLS:

Height: No data - room partly filled with debris.

Thickness: Dividing wall to Room 1, .86 m. thick.

Stonework: Walls faced with small, squarish blocks, only moderately well-dressed.

Doorways: Doorway to front room (Room 1) .99 m. wide. Jambs faced with small stones, similar to those used in wall facings.

Rod Sockets: No data.

Cordholders: No data.

Rings: None.

Wall Openings: None noted.

Platforms: No data - room partly filled with debris.

#### VAULTS:

Springline Offset: No real offset along rear wall. Instead, medial wall rises to height of one course below normal springline. At this point, wall of vault steps back about .06 m. and continues upward vertically.

Height: 1.45 m. - bottom of lintel in dividing wall to point where vault curves sharply inward.

Form: Lower portion of vault has vertical, or nearly vertical walls. Upper portion has considerable curvature (see section).

Stonework: Rear portion of vault faced with 9 courses of slab to wedge-shaped stones, only moderately well-dressed.

Capstones: Capstone span about .56 m. Molding below capstones .10 m. high.

Crossbeams: No data.

Other: Detail of vault at rear wall slightly different than detail of front wall (see section).



**BACKGROUND:** Pollock (1980) is the only other person to report on this site. Our team visited site in 1984 and there are some discrepancies between our notes and Pollock's. At the time of our visit, the site was very overgrown with weeds, making exploration extremely difficult and this may account for some of the differences between our data and Pollock's.

**SITUATION:** The site is situated about 2 km. southeast of the village of Xculoc. This places it in the same general vicinity as the ruins of Xculoc, Bobil, Xcochkax, and Xpostanil.

**TOPOGRAPHY:** The site itself is relatively flat but is surrounded by hills. The major structures, which lie in the southeast corner of a small valley, are sited on low rock outcrops or low rises of ground. Valley is savanna-like, and is reminiscent of savanna of Chunhuhub, a short distance to the southeast.

**WATER SUPPLY:** None noted, although there must be one or more chultuns which we simply did not see.

**MAPS:** Sketch map by Pollock (1980, fig. 661) is only known map. This map should be taken with a grain of salt as orientations, and distances between structures, are not correct. All buildings oriented 15 degrees or more east of magnetic north.

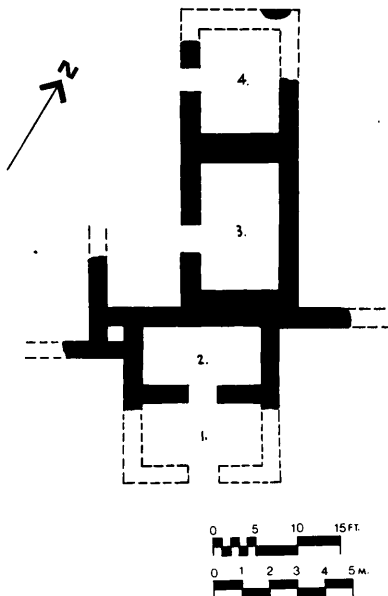
**SIZE:** Apparently a very small site as building remains noted by both Pollock and ourselves confined to a small area. Rank 5.

**CIVIC PLAN:** Uncertain, due to lack of adequate map. Buildings we saw form compact, orderly arrangement, based in part of terracing of natural contours.

## **STRUCTURE 1**

Badly fallen multi-chamber building showing several construction phases. Rooms 1 and 2 of this building described in some detail by Pollock (1980: 398). Our plan (by Carlos Perez) differs in some respects from Pollock's sketch plan and both should be considered as very preliminary, pending further clearing and/or excavation. The round doorway columns with spools top, bottom, and center, illustrated by Pollock (1980, fig. 663), were fallen at the time of our visit. No details recorded on exterior features, as all exterior walls now fallen. See separate sheet for interior details of Room 1.

SITE NAOX LOCATION CAMPECHE-N2 DATE 2/18/64  
BUILDING STR. 1 DRAWING PLAN NO. P/N 2/2



**STRUCTURE 2**

Pollock (1980: 399) included a very brief description of this building which he characterized as a solid, pyramidal mass of masonry with some rooms on the west side, now mostly fallen. He did not show a plan but suggested that "pyramid" may have been intended to support a temple superstructure. We examined this building in 1984 but my notes differ from Pollock's and my sketch plan shows an irregularly shaped building with 6 rooms on the lower level (see plan). Only room 2 is sufficiently well preserved to offer significant architectural details but it was also clear that room 1 had a square doorway column with rounded corners; plan of this column shown in Pollock (1980, fig. 664a). I doubt that my sketch plan is entirely correct as my notes also say that there were probably rooms on an upper level, perhaps over room(s) later filled with rubble. Rooms 1 and 3-6 now mostly fallen and all exterior walls fallen or covered with debris. What little data we were able to record in regard to interior details is given below:

**ROOM 1**

*Length:* About 4.05m.  
*Width:* No data.  
*Stonework:* Vault stones have wedge to boot-shapes and are very well-cut-and-dressed. Wall facing stones also very well-cut-and-dressed.  
*Doorways:* Large, square column in exterior doorway, which has very rounded corners. Column is .70m. wide and .74m. deep. Doorway in rear wall is .86m. wide, lintel above .37m. thick.  
*Orientation:* 305 degrees (magnetic), perpendicular to rear wall.

**ROOM 2:** See separate data sheet.

**ROOM 3 AND 4:** No data - fallen.

**ROOM 5**

*Length:* 4.97m.  
*Width:* No data - outside wall fallen.

**ROOM 6:** Vault of this room at right angles to vaults of rooms 5 and 1.

SITE: NAOX

## STRUCTURE 2

## INTERIOR DETAILS:

## ROOM 2

## DIMENSIONS:

*Length:* 4.08m.*Width:* 2.66m. at doorjamb.

## WALLS:

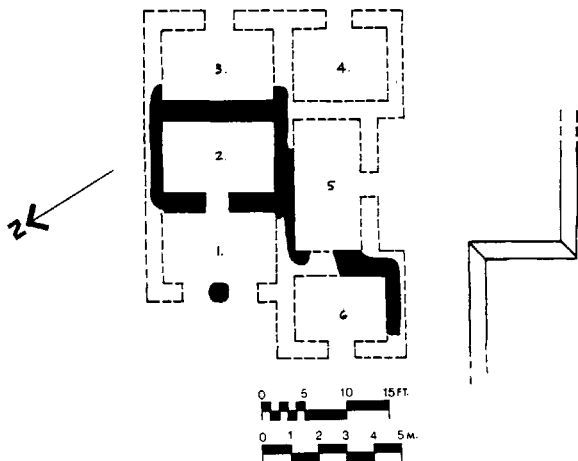
*Height:* 2.14m. +/-, floor to springline.*Thickness:* Dividing wall to Room 1 is .68m. thick.*Stonework:* Walls faced with 8 courses of small blocks, only roughly dressed.*Doorways:* Doorway to Room 1 is .86m. wide. Jambs full thickness of wall. Stone lintel above, .37m. thick. .37m, bottom of lintel to springline.*Rod Sockets:* None.*Cordholders:* Finger-type cordholders high and low, both sides of doorway. .50m. from center to jamb, lower cordholders are vertical.*Crossbeams:* Single crossbeams near both ends of room at bottom of 1st course of stones below springline.*Wall Openings:* None noted.*Platforms:* None.*Other:* Looters hole in back wall shows an additional room behind which was filled with dry rubble.

## VAULTS:

*Springline Offset:* .075m.*Height:* 1.24m. - springline to bottom of molding below capstone.*Form:* Vault faces show slight curvature.*Stonework:* Vault faced with 5 courses of wedge-shaped, specialized stones with beveled faces, only moderately well-dressed.*Capstones:* Capstone span about .60m., molding below capstones about .14m. high.*Crossbeams:* No crossbeams visible in vault.*Other:* Face of molding below capstones has considerable inward slope.**OBSERVATIONS:** Stonework in this room fairly poor, compared with excellent stonework seen in both walls and vault of adjacent room 1.



SITE NAOX LOCATION CAMPECHE-N 2 DATE 2/18/84  
 BUILDING STR. 2 DRAWING PLAN NO. P/N 2/1



Estructura: 2

Cuarto 1

Dimensiones:

Largo: 4.35 mts.

Ancho: 2.17 mts.

Muros:

Altura: 1.66 mts. lado W y 1.97 mts. lado E.

Ancho: .52 mts.

Filas de piedras: 8 de diversos tamaños que forman cursos irregulares en el lado E y 6 en el lado W una de las cuales queda abajo del nivel del piso de estuco, esta piedras son bien trabajadas.

Jambas: Estan compuestas por varias piedras bien cortadas.

Cord holders: 2 en total; uno a cada lado de la puerta 30 cms. abajo del dintel.

Observaciones: Al parecer este cuarto fué un adosamiento ya que existen grandes diferencias constructivas entre el muro W y los otros tres.

Bóveda:

Altura: 1.81 mts en el lado W y 1.50 mts. en el lado E.

Forma: Ligeramente curva, del lado W es más recta y es recto, y en tanto que en el lado E es inclinado y sobresale 7 cms.

Cross ties: 5 en total; 3 en la soldura superior, uno al centro y los otros en los extremos. Los otros dos se encuentran a la altura del arranque en el lado E.

Los demás cuartos se encuentran totalmente derrumbados y solo fue posible calcular sus dimensiones. (ver Croquis)

**STRUCTURE 3**

Pollock (1980: 199) provided a very brief description of a badly fallen building with a stairway to roof on north side. We examined this building in 1984 and like Pollock, were unable to determine its plan, although we did locate the exterior doorway and part of a rear wall of a room at the east end. Curiously only the doorjambs and lintel of the east exterior wall were still standing - adjacent walls completely fallen.

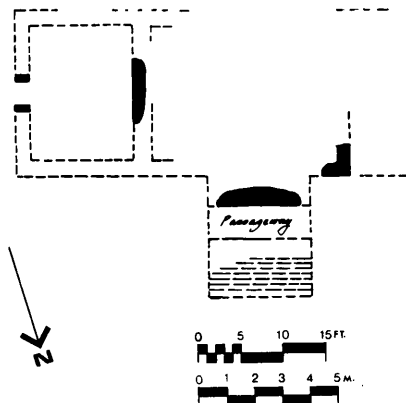
Doorway is .87m. wide, jambs .51m. deep, lintel .21m. thick (see sketch plan).

As noted earlier by Pollock, there is a stairway, with vaulted passageway below, on the north side of this building with a small section of base and wall just to the west.

The base, which has apron-type members top and bottom, is .56m. high overall.

Above this base is a corner of a lower wall which measures 1.98m. from top of base to bottom of medial molding. Only lowest, apron-type member of medial molding in place at top of wall. Molding is .21m. high, projection at bottom about .25m. (see detail).

Passageway below stairway is 1.18m. wide, and back wall of passageway is 1.10m. in front of main wall of building behind. Passageway covered with half-vault, with capstones resting on small rectangular molding about .10m. high. Capstone span about .49m., springline to capstones .86m. No data on room(s) at top of stairway, other than note regarding small, round column in debris to east of stairway. Column .35m. in diameter.

SITE NAOXLOCATION CAMPECHE - N2DATE 2/18/84BUILDING STR. 3DRAWING PLANNO. P/N2/3PLAN-STRUCTURE #3



**BACKGROUND:** Stephens (1843) was first person to report on this site. He provided a brief description of the long building at brow of hill behind the Rancho (Structures 1 and 2) and three other buildings, one of which had a pointed vault (Structure 5). Maler visited the site in 1889 but his notes have not yet been published. Zayas (1908) included a photograph of the building I have called Structure 4 but made no mention of it in the accompanying text. Pollock (1980) mentioned site but did not include any architectural data. Dunning (1987) included brief description of site and Gebauer (1989) included a sketch map but no architectural data. I visited the site twice in 1984 and my notes refer to five partly standing buildings on top of the hill supporting the Main Group.

**SITUATION:** The site is situated on the grounds of the rancho Nohcacab and the Main Group occupies the top of a high hill about 500 meters south-southwest of the ranch buildings. The ranch is about 11 km. southeast of the village of Xul and can be reached via a paved road commencing in Xul.

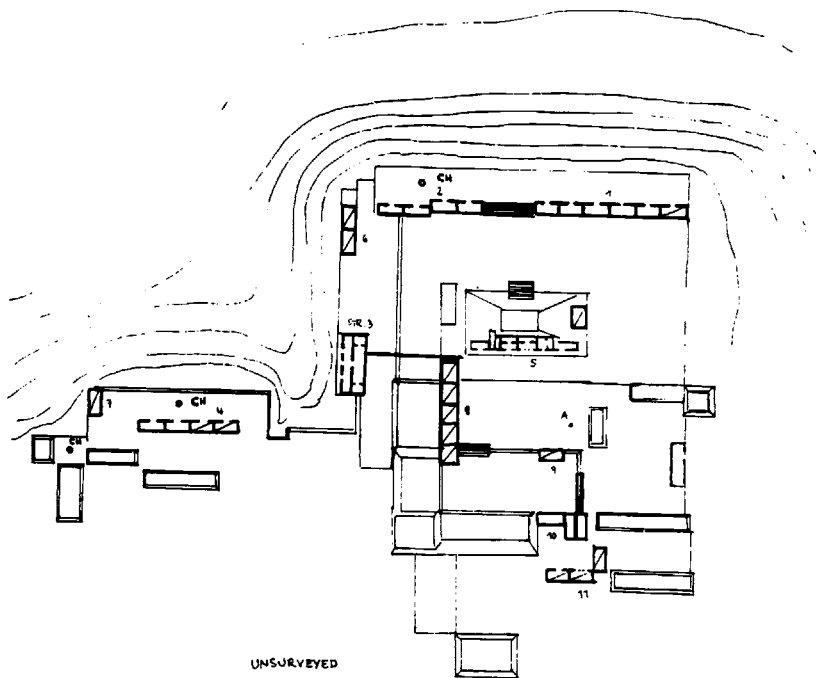
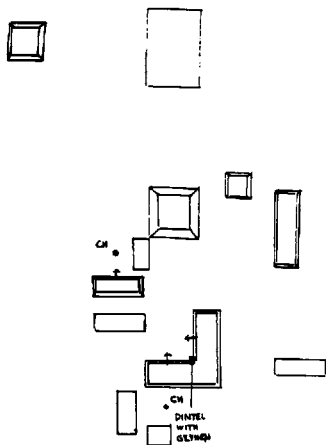
**TOPOGRAPHY:** The Main Group stands on a hill about 40m. high and other structures can be found on the valley floor to the north. There are other hills to the northwest, north and northeast but a broad valley extends some distance to the northwest and southeast. The hill supporting the main group has been artificially leveled and terraced to form a series of contiguous terraces, platforms and courts.

**WATER SUPPLY:** Dunning (1987) mentions an aguada in the valley and we noted a number of chultuns in the terraces adjacent to the major structures at top of hill. Gebauer's map also shows additional chultuns adjacent to the northern structures on the valley floor.

**MAPS:** Sketch map by Uwe Gebauer (1989) is only known map of site.

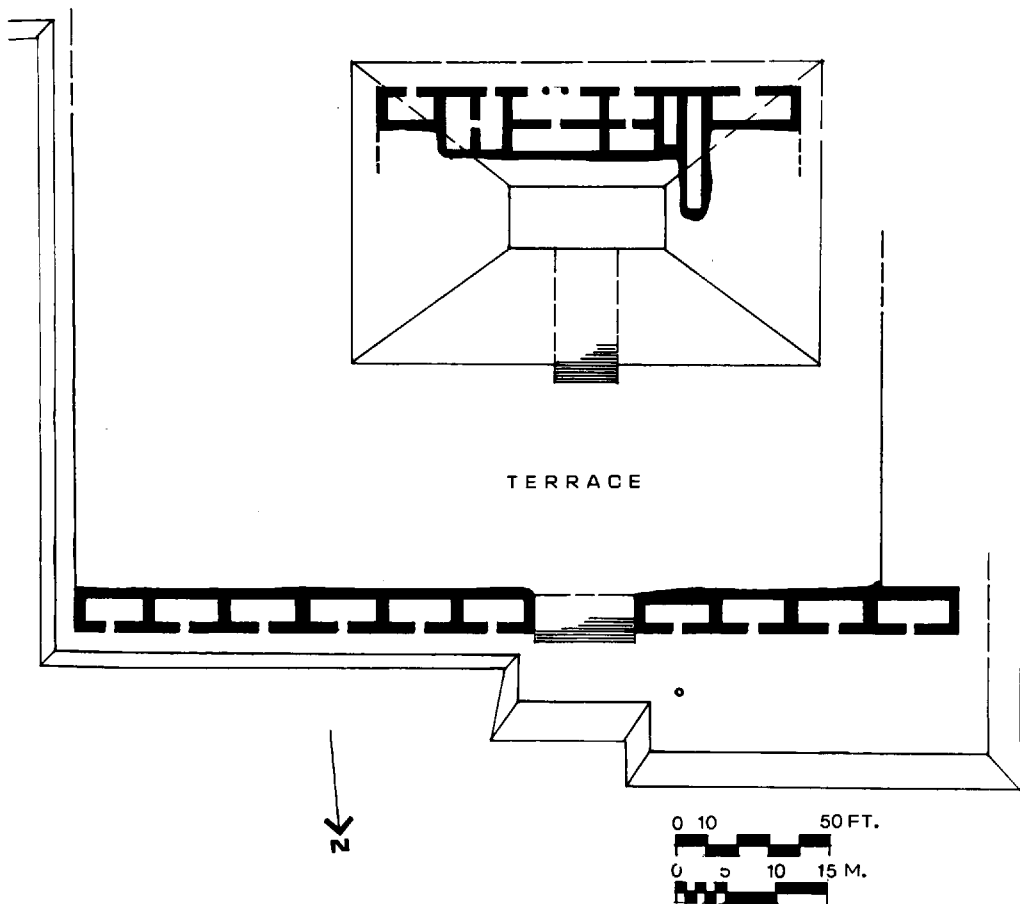
**SIZE:** Limits of site unknown due to lack of adequate exploration. Area shown on Gebauer's map about 215m. east-west and 360m. north-south. Both Dunning and I believe that site is considerably larger than area shown on Gebauer map and have tentatively assigned it to Rank 2 (II).

**CIVIC PLAN:** Unknown, due to lack of adequate map. The brow of the hill on the north side is marked by two long rows of rooms, with a broad stairway between, which stretch out for a distance of about 87m. Behind these rooms is a huge terrace with a long, medium-high pyramid on the south side. South of this complex is a large quadrangle, with two-story structures on at least two sides, as well as other structures to the southeast. This portion of the site hilltop is very nucleated, compared with many Puuc sites, and many of the structures are oversized, compared to typical Puuc structures elsewhere. Only a small portion of the valley structures are shown on Gebauer's map, which include good-sized courtyard groups. The overall plan here, as far as it is presently known, is somewhat unusual since there is a dense concentration of large structures on the hilltop, whereas the larger structures at many other Rank 2 sites tend to be on the valley floors below secondary hilltop groups.



NOHCACAB  
1988  
UWE GEBAUER  
1:1000



SITE NOMCACABLOCATION YUCATAN - N3DATE 3/24/64BUILDING ACROPOLISDRAWING SKETCH PLANNO. P/N3/1



**STRUCTURE 1 EAST WING**

**GENERAL DESCRIPTION:** Long, range-type building which forms the outer edge of a huge terrace extending to the south. Roof of these rooms even with top of terrace behind. Broad stairway at west end of this wing gives access to terrace behind.

**ORIENTATION:** 7 1/2 degrees (magnetic), perpendicular to main facade.

**EXTERIOR DETAILS:** Details below are for front (north) facade.

**BASE MOLDING:** No data - covered with debris.

**LOWER WALL ZONE:**

**Height:** Unknown - base and lower portion of wall covered with debris.  
**Stonework:** Walls faced with small blocks with square faces, only moderately well-dressed.  
**Thickness:** Front wall .85m. thick at doorjamb.  
**Decoration:** Large, 3/4 round columns at northeast and northwest corners. These are now fallen but can be seen in debris.

**DOORWAYS:**

**Shape:** Rectangular.  
**Jambs:** Faced with two rows of good-sized blocks, about twice the size of blocks used for wall facings.  
**Lintels:** Stone lintels, .23m. thick.

**MEDIAL MOLDING:** No real medial molding - upper wall projects out about .27m. beyond lower wall, and then continues upward with no break, although face of lowest course slopes inward more sharply than those above; this course about .23m. high.

**UPPER WALL ZONE:**

**Height:** 1.40m. - bottom of projecting upper wall to bottom of cornice.  
**Stonework:** Wall faced with 5 courses of medium-sized blocks, somewhat better finished than those in lower walls.  
**Decoration:** None.  
**Other:** Upper wall has slight inward slope. As noted above, face of lowest course more sharply beveled than those above (see section).

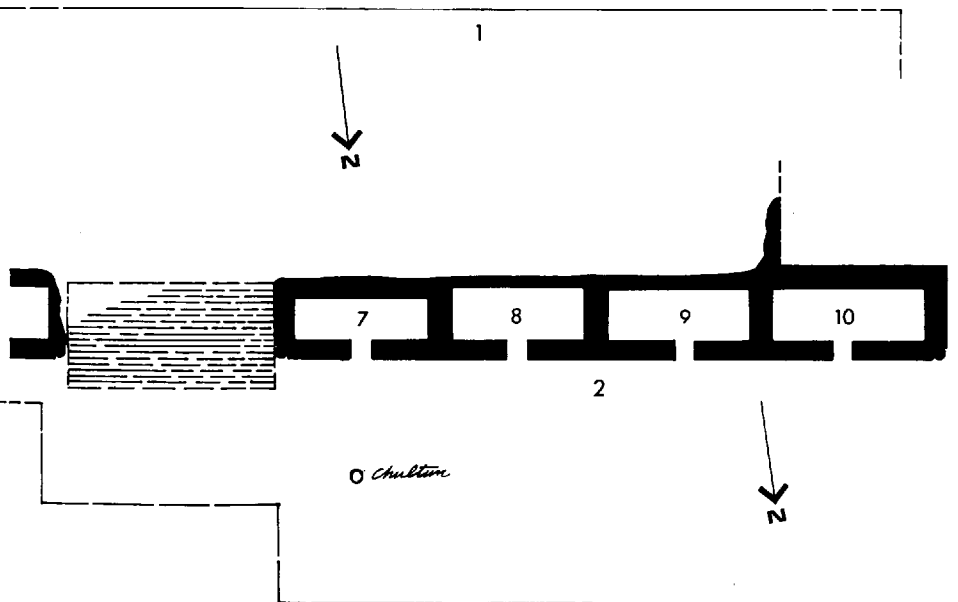
**CORNICE:**

**Form:** Uncertain. Only lowest apron-type member still in place.  
**Size:** Lower member about .73m. high - made with 3 courses of stones.  
**Projections:** About .15m. at bottom.  
**Decoration:** None.

**ROOF STRUCTURE:** None - Roof of rooms forms top of terrace behind.

**ARCHITECTURAL STYLE:** Early Puuc style?

**COMMENTS:** I am now convinced that there are a number of buildings in the Puuc region with sloping upper facades of the kind seen here, that should be classified as Early Puuc in style, even though they generally carry three-member cornice molding with profiles similar to those seen in the later Puuc styles. This suggests that Structure I here, and similar buildings elsewhere, probably fall very late in the Early Puuc sequence, and could be thought of as representing a transitional phase between the Early and Late Puuc styles.

SITE NONCACAS (RANCHO)LOCATION YUCATAN - N3DATE 2/24/84BUILDING STR. 1 & 2DRAWING PLANSNO. P/N3/2

0 10 20 30 FT.



0 5 10 M.



SITE NOHCACAB

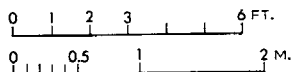
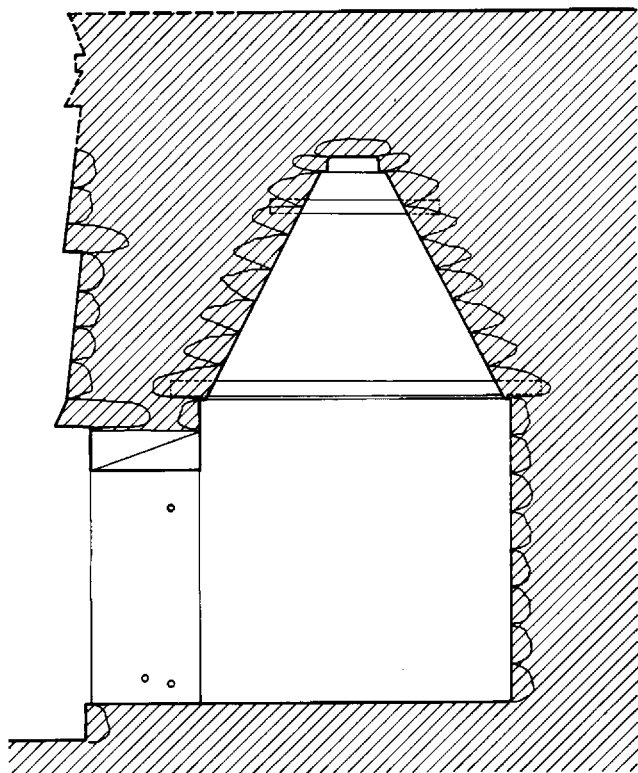
LOCATION Yucatan - N3

DATE 2/24/84

BUILDING Str. 1

DRAWING Section - Room 3

NO. P/N3/3



**STRUCTURE 1 EAST WING**

**INTERIOR DETAILS:**

**ROOM 1:** No data - fallen.

**ROOM 2:** See separate data sheet.

**ROOM 3**

*Length:* 6.52m.

*Width:* 2.49m. +/-

**ROOM 4:** See separate data sheet.

**ROOM 5**

*Length:* 6.29m.

*Width:* 2.50m. +/-

*Height:* 1.85m. - Springline to bottom of capstone molding.

**ROOM 6:** No data - fallen.

SITE: NOHCACAB I (Rancho Nohcacab)

STRUCTURE I EAST WING

INTERIOR DETAILS:

ROOM 2

DIMENSIONS:

*Length:* 6.34m.

*Width:* 2.51m. at doorjamb.

WALLS:

*Height:* 2.51m. - floor to springline.

*Thickness:* Front wall .86m. thick at doorjamb.

*Stonework:* Walls faced with 8 courses of veneer-type blocks, only moderately well-finished.

*Doorways:* Exterior doorway 1.03m. wide, lintel above .23m. thick, jambs faced with 2 vertical rows of large blocks.

*Rod Sockets:* None.

*Cordholders:* None.

*Wall Openings:* None noted.

*Platforms:* None.

VAULTS:

*Height:* 1.83m. +/-, springline to bottom of capstone molding.

*Form:* Vault faces have slight curvature.

*Stonework:* Vault faced with 7 courses of wedge to semi-boot shaped stones. Typical facing stone is .24m. wide, .38m. high, .38m. deep.

*Capstones:* Capstone span about .40m.

*Crossbeams:* Single crossbeams near both ends of room at vault springline. Additional crossbeams in vault at quarter point of room, at bottom of 2nd course of stones below capstone molding.

## SITE: NOHCACAB I

## STRUCTURE 1 EAST WING

## INTERIOR DETAILS:

## ROOM 4

## DIMENSIONS:

*Length:* 6.66m.*Width:* 2.48m. at doorjamb.

## WALLS:

*Height:* 2.42m. - floor to springline.*Thickness:* Front wall .87m. thick at doorjamb.*Stonework:* Walls faced with 8-9 courses of roughly dressed blocks, set in uneven courses.*Doorways:* Doorway 1.04m. wide. Stone lintel above, .30m. thick. .56m., bottom of lintel to springline.*Rod Sockets:* Rodsockets in both jambs, 1 high, 2 below. Upper sockets .31m. below lintel, 1.39m. to center of pair below. Upper socket .20m. from inside face of jamb.*Cordholders:* None.*Rings:* None.*Wall Openings:* None noted.*Platforms:* No data.*Other:* Remains of graffiti, or painting, in black lines on east exterior wall. Drawings include part of leg and arms with feathers above - portions of other feathers below.

## VAULTS:

*Springline Offset:* .037 - .05m., both long walls and end walls.*Height:* 1.82m. +/-, springline to bottom of capstone molding.*Form:* Vault faces have slight curvature.*Stonework:* Vault faced with 7 courses of wedge-shaped stones with beveled faces, only roughly dressed.*Capstones:* Capstone span about .40m. Line of molding below slightly irregular. Molding below capstones .10m. high.*Crossbeams:* Single crossbeams near both ends of room at springline. Additional crossbeams at bottom of 1st course of stones below capstone molding.*Other:* Bottom of capstones to top of roof (terrace) about 1.22m.**OBSERVATIONS:** Walls thicker and vault higher than in typical Early Puuc style buildings.

# **STRUCTURE 1, WEST WING**

**GENERAL DESCRIPTION:** Five rooms in line, at northwest edge of main terrace of main group. Roof of these rooms even with top of terrace behind. Stairway to upper terrace at east end of this set of rooms. Lower terrace in front of these rooms about 11.57m. wide.

**ORIENTATION:** 7-1/2degrees (magnetic), perpendicular to main (north) facade.

**EXTERIOR DETAILS:** Details below are for north facade.

**BASE MOLDING:** No data - covered with debris.

## **LOWER WALL ZONE:**

*Height:* Uncertain - lower portion covered with debris.  
*Stonework:* Walls faced with small to medium-sized, roughly dressed blocks set in uneven courses.  
*Thickness:* Front (north) wall .91m. thick.  
*Decoration:* None.

## **DOORWAYS:**

*Shape:* Rectangular.  
*Jambs:* Faced with large blocks  
*Lintels:* Stone lintels, .20m. or more thick.

**MEDIAL MOLDING:** No medial molding visible. See comments, below.

## **UPPER WALL ZONE:**

*Height:* Unknown - mostly fallen.  
*Stonework:* Most of outer facing has fallen but small section still in place shows facing stones same as in lower walls.  
*Decoration:* None now in place.

**CORNICE:** No data - completely fallen.

**ROOF STRUCTURE:** None.

**ARCHITECTURAL STYLE:** Early Puuc style?

**COMMENTS:** Only a small section of the exterior wall above, and to the right of doorway to Room 9 is still in place. Curiously, there is no sign of a medial molding above, or adjacent to this doorway, nor does upper wall project out at top of lintel as in east wing. This may indicate that originally, a single-member molding broke up over doorway, but if so, the "break" was much wider and higher than in typical "broken" moldings elsewhere. At the moment, I cannot account for lack of either molding or projecting upper wall.



SITE NOHCACAB (rancho)

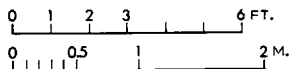
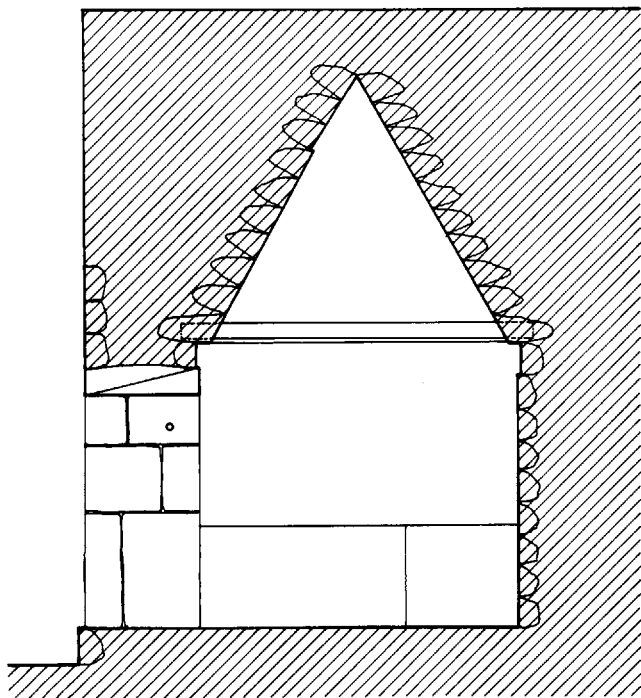
LOCATION Yucatan - N3

DATE 2/24/84

BUILDING Str. 2

DRAWING Section - Room 9

NO. P/N3/4



SITE: NOHCACAB I

STRUCTURE 1 WEST WING

INTERIOR DETAILS:

ROOM 7

*Length:* 6.40m.

*Width:* 1.93m.

ROOM 8

*Length:* 6.40m.

*Width:* No data.

ROOM 9: See separate data sheet.

ROOM 10

*Length:* 7.11m.

*Width:* 2.50m. at doorjamb.

*Height:* 2.28m. - floor to springline.

*Vault:* Vault comes to point, same as in adjacent Room 9.

**SITE:** NOHCACAB I

**STRUCTURE 1 WEST WING**

**INTERIOR DETAILS:**

**ROOM 9**

**DIMENSIONS:**

*Length:* 6.62m.

*Width:* 2.55m. at doorjamb.

**WALLS:**

*Height:* 1.46m. top of bench to springline.  
*Thickness:* Front wall .91m. thick at doorjamb.  
*Stonework:* Walls faced with small blocks, moderately well-cut and set in even courses. 1st course below springline slightly recessed.  
*Doorways:* Exterior doorway .99m. wide. Lintel above .20m. thick. .42m., bottom of lintel to springline.  
*Rod Sockets:* Single rod socket near top of doorjamb, .25m. below lintel to center, .23m. to center from inside face of wall.  
*Cordholders:* None visible.  
*Rings:* None.  
*Wall Openings:* None noted.  
*Platforms:* Large, L-shaped bench fills good portion of room. Width at left end - 2.61m., .90m. wide at rear wall; at least .66m. high. Faced with small blocks, similar to those used in wall facings.

**VAULTS:**

*Springline Offset:* .07m. +/-.  
*Height:* 2.13m. - springline to top of painted vault.  
*Form:* Vault comes to point at top - no capstones.  
*Stonework:* Vault faced with 10 courses of fairly well-cut, wedge-shaped stones with beveled faces, set in even courses.  
*Capstones:* None.  
*Crossbeams:* Single crossbeams near both ends of room at vault springline. None above.  
*Other:* Entire vault is intact. Slight offset near top of vault at top of 3rd course of facing stones from top.

**STRUCTURE 23**

**GENERAL DESCRIPTION:** Small range-type structure with two parallel rows of rooms. One very long room in front with 3 rooms behind. End rooms at rear have doorways in end walls of long central room. Front room has 3 doorways opening to west.

**ORIENTATION:** 282 degrees (magnetic) perpendicular to main facade.

**EXTERIOR DETAILS:** Details below are for main (west) facade.

**BASE MOLDING:** No data - covered with debris.

**LOWER WALL ZONE:**

*Height:* Unknown - lower portion covered with debris.  
*Stonework:* Walls faced with 8 (or more) courses of small blocks with square faces, varying some in size. Set in uneven courses.  
*Decoration:* Round columns, .50m. in diameter, at Northwest and Southwest corners.

**DOORWAYS:**

*Shape:* Rectangular.  
*Jambs:* Faced with 2 rows of large slabs.  
*Lintels:* Stone.

**MEDIAL MOLDING:**

*Form:* Uncertain - mostly fallen. Remaining portion shows apron-type lower member, with rectangular member above (see photo).  
*Size:* Lower member .21m. high, member above .23m. high.  
*Projection:* .23m. at bottom.  
*Decoration:* Face of upper member has horizontal band at top, with series of vertical lines below (see details).

**UPPER WALL ZONE:** No data - outer face completely fallen.

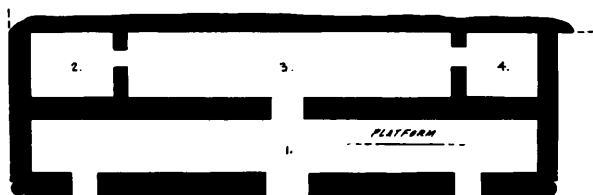
**CORNICE:** No data - fallen.

**ROOF STRUCTURE:** None.

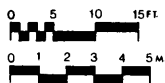
**ARCHITECTURAL STYLE:** Construction details and stonework suggest Early Puuc style but presence of 3/4 round corner columns indicate Classic Colonnade style.

**COMMENTS:** Raised terrace behind this structure but my notes are not clear in regard to height of this terrace in relation to the roof of Structure 2.

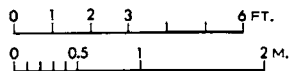
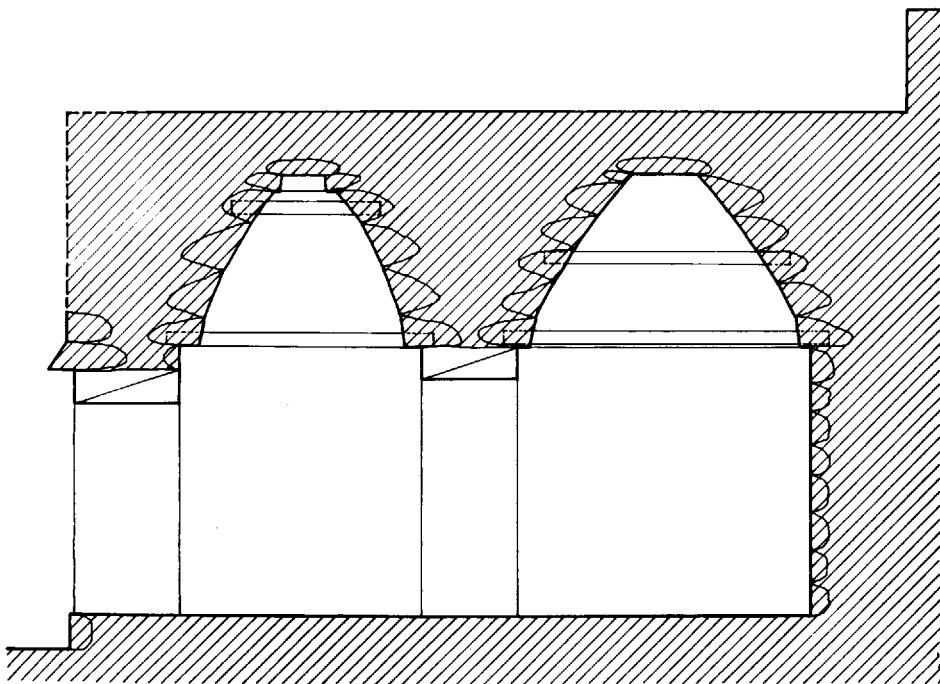
SITE NOHCACAB (RANCHO) LOCATION YUCATAN-N3 DATE 2/24/84  
 BUILDING STRUCTURE 3 DRAWING PLAN NO. P/N3/5



PLAN-STR. #3



SITE NOHCACAB (rancho) LOCATION Yucatan - N3 DATE 2/24/84  
BUILDING Str. 3 DRAWING Section - Rooms 1 & 3 NO. P/N3/C



SITE: NOHCACAB I

STRUCTURE 2<sup>3</sup>

## INTERIOR DETAILS:

## ROOM 1

## DIMENSIONS:

*Length:* 18.34m.*Width:* 1.93m. at doorway.

## WALLS:

*Height:* No data - room partly filled with debris.*Thickness:* Front wall .85m. thick at central doorway. .81m. at jamb of doorway near north end.*Doorways:* Central exterior doorway and doorway near north end fallen - no data. Doorway at south end is .96m. wide.*Rod Sockets:* No data.*Cordholders:* No data.*Wall Openings:* None noted.*Platforms:* Remains of platforms .88m. deep and .15m. high against rear wall, south end of room length unknown.

## VAULTS:

*Springline Offset:* .16m.*Height:* 1.24m. - springline to bottom of capstone molding.*Form:* Vault faces show medium curvature.*Stonework:* Vault faced with 4 courses of roughly dressed, wedge-shaped blocks with beveled faces.*Capstones:* Capstone span varies - molding below capstone .12m. high, and forms irregular line.*Crossbeams:* Single crossbeams near ends of room at springline. Additional crossbeams at 3rd points of room, also at springline. Pairs of crossbeams, .40m. on centers, at 1st course of stones below capstone molding. These occur irregularly but are spaced at intervals of about 1.80m.

**OBSERVATIONS:** This room is about the longest room I have seen at any Puuc site and even rear room is extremely long by normal Puuc standards.

SITE: NOHCACAB I

STRUCTURE 23

INTERIOR DETAILS:

ROOM 2 (Central room, rear)

DIMENSIONS:

Length: 11.72m.

Width: 2.45m. at south end.

WALLS:

Height: 2.12m. floor to springline.

Thickness: Central dividing wall .77m. thick at doorjamb.

Stonework: Walls faced with 7 - 8 courses of small blocks, only roughly dressed.

Doorways: Doorway in dividing wall to Room 1 is 1.21m. wide. Doorway to Room 4 at south end about .68m. wide.

Rod Sockets: No data.

Cordholders: No data.

Wall Openings: Doorways in both north and south end walls.

Platforms: None noted.

VAULTS:

Springline Offset: .12m. +/-.

Height: 1.40m. springline to bottom of capstone.

Form: Vault faces show medium curvature.

Stonework: Vault faced with 5-6 courses of roughly dressed, wedge-shaped facing blocks. Springline course has nearly vertical face.

Capstones: Capstone span about .50m. No molding below capstones - some facing stones of vault come to underside of capstones while others have space above to fill gaps.

Crossbeams: Single crossbeams near ends of room and pairs of crossbeams 2.54m. from end of room at vault springline. Additional crossbeams at top of 3rd course of vault stones above springline, spaced irregularly.

ROOM 3: No data - fallen.

ROOM 4

Length: 2.56m.

Width: 2.45m.



**STRUCTURE 3<sup>4</sup>**

**GENERAL DESCRIPTION:** Small range-type building with four rooms in line. Doorways face north, overlooking small terrace in front. Room at west end (Room 4) well preserved but other rooms now mostly fallen (see plan).

**ORIENTATION:** 4 degrees (magnetic), perpendicular to main facade.

**EXTERIOR DETAILS:** Details below are for front (north) and west end facades.

**BASE MOLDING:** No data - covered with debris.

**LOWER WALL ZONE:**

*Height:* 2.15m. - top of base to bottom of medial molding.

*Stonework:* Walls faced with 8 - 9 courses of very roughly dressed blocks, varying in size and set in uneven courses.

*Thickness:* Front wall .49m. thick at doorjambs. Thicker at ends of rooms.

*Decoration:* Large, 3/4 round columns at courses, with rounded base and capitals. Columns .40m. in diameter, capital .17m. high, base .33m. high.

**DOORWAYS:**

*Shape:* Jambs show slight inward slope from bottom to top.

*Jambs:* Faced with large slabs, full thickness of wall.

*Lintels:* Stone lintels, about .35m. thick.

**MEDIAL MOLDING:**

*Form:* Three members - apron-type lower member with decorated member above. Rectangular member at top.

*Size:* Overall height .78m., upper member .15m. high, central member .40m., lower member .23m. high.

*Projection:* .23m. at bottom.

*Decoration:* Central member filled with zig-zag and triangle decorative elements - see details. Traces of red paint on zig-zag elements.

**UPPER WALL ZONE:**

*Height:* 1.05m. - top of medial molding to bottom of cornices.

*Stonework:* See Decoration, below.

*Decoration:* Plain colonnettes in upper wall zone but pattern unknown. Groups of 3 colonnettes, with spools in center, at corners. Plain colonnettes are .21m. in diameter, .26m. on centers.

**CORNICE:**

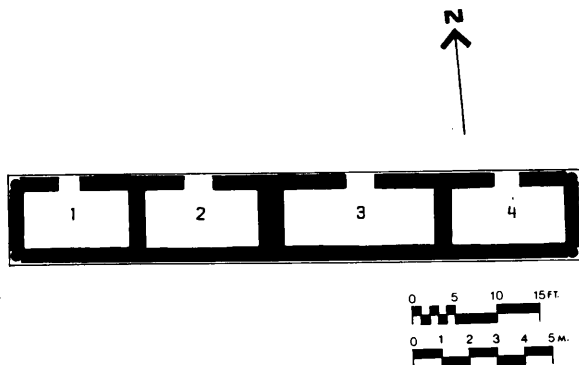
*Form:* Uncertain. Probably 4 members (same as medial molding plus outward sloping coping member above) but only lowest member still in place (rear wall).  
*Size:* Lowest member .23 - .24m. high.  
*Projections:* .11m. at bottom.  
*Decoration:* No data - assume zig-zag motif in next to lowest member as in medial molding.

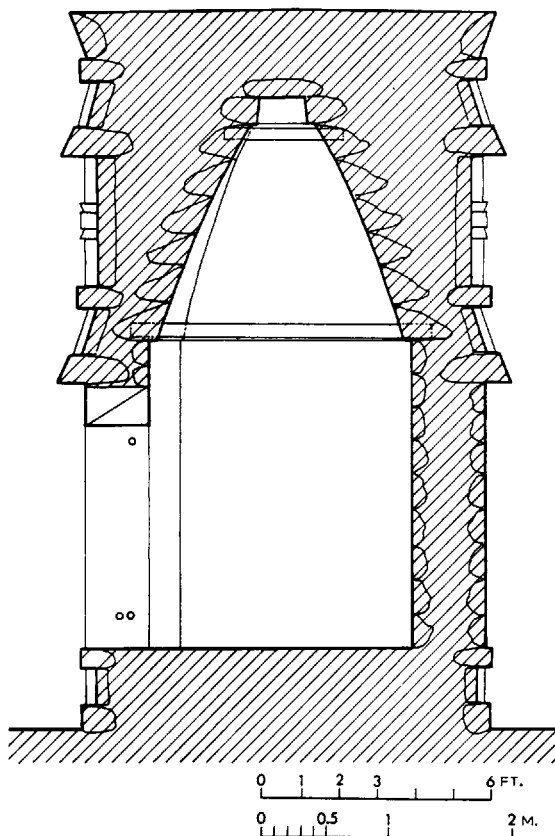
**ROOF STRUCTURE:** None.

**ARCHITECTURAL STYLE:** Classic Puuc Colonnade style.

SITE NOHCACAB (RANCHO) LOCATION YUCATAN - N3 DATE 2/24/84

BUILDING STRUCTURE 4 DRAWING PLAN NO. P/N3/1



SITE NOHCACABLOCATION Yucatan - N3DATE 2/24/84BUILDING Str. 4DRAWING Section - Room 1NO P/N3/8

**SITE:** NOHCACAB I

**STRUCTURE** 3<sup>rd</sup>

**INTERIOR DETAILS:**

**ROOM 1**

*Length:* No data.

*Width:* No data.

**ROOM 2**

*Length:* 5.49m.

*Width:* 1.98m. +/-.

**ROOM 3**

*Length:* 4.13m.

*Width:* 1.98m.

**ROOM 4:** See separate data sheet.

## SITE: NOHCACAB I

## STRUCTURE 34

## INTERIOR DETAILS:

## ROOM 4 (West end)

## DIMENSIONS:

Length: 3.59m.

Width: 2.12m. at doorjamb. 1.83m. +/- at ends of room.

## WALLS:

Height: 2.44m. +/-, floor to springline.

Thickness: Front wall .49m. thick at doorjamb. Considerably thicker at end wall and dividing wall.

Stonework: Walls faced with small, veneer-type blocks, only moderately well-dressed.

Doorways: Exterior doorway .81m. wide at bottom. Stone lintel above, about .35m. thick. .70m. bottom of lintel to springline.

Rod Sockets: Rod sockets in both jambs, 1 high, 2 below, 5" to center from inside wall. Upper socket .12m. below lintel 1.40m. in pair below.

Cordholders: Small finger-type cordholders about .60m. to left of doorjamb, slightly above bottom of lintel, set at 45 degrees. No others visible.

Wall Openings: None.

Platforms: None.

## VAULTS:

Springline Offset: Varies .05 - .07m.

Height: 1.73m. - springline to bottom of capstone moldings.

Form: Vault faces show slight curvature.

Stonework: Vault faced with 6 courses of wedge-shaped stones with beveled faces, only moderately well-cut.

Capstones: Capstone span varies, .32 - .38m. Molding below capstones about .20m. high. Edge of molding forms irregular line.

Crossbeams: Single crossbeams near ends of room at vault springline. Additional crossbeams above, just below capstone molding.

Other: Painted capstone in center of room. Narrow band of glyphs in red at outer edge.

OBSERVATIONS: Room rather narrow, and walls are thin, compared to rooms in East Wing of Structure 1.

## **STRUCTURE 4**

**GENERAL DESCRIPTION:** Row of rooms on south side of flat-topped pyramid at south end of main terrace; Structure 1 at north edge of this terrace. Most of these rooms now fallen and/or filled with debris (see plan). Two of these rooms (Rooms 2 and 3) have pointed vaults.

**ORIENTATION:** 181 degrees (magnetic), perpendicular to main facade.

**EXTERIOR DETAILS:** Details below are for south facade, near west end.

**BASE MOLDING:** No data - covered with debris.

### **LOWER WALL ZONE:**

*Height:* Unknown - lower portion covered with debris.

*Stonework:* Wall faced with small veneer-type blocks with square faces, set in even courses.

*Thickness:* Exterior wall .65m. thick at doorjamb.

*Decoration:* None.

### **DOORWAYS:**

*Shape:* Rectangular (Room 4). Exterior doorway of Room 6 appears to have had multiple openings, formed by two round columns.

*Jambs:* Faced with large slabs, full thickness of wall.

*Lintels:* Stone lintels, now fallen.

### **MEDIAL MOLDING:**

*Form:* 3 members, apron-type lower member at bottom and rectangular member at top. Recessed central member.

*Size:* Overall height .63m., lower member .19m. high, upper member .14m. high.

*Projection:* .35m. at bottom.

*Decoration:* Central member carries continuous row of rosettes, about .21m. in diameter (see detail).

### **UPPER WALL ZONE:**

*Height:* No data - fallen.

*Stonework:* No data.

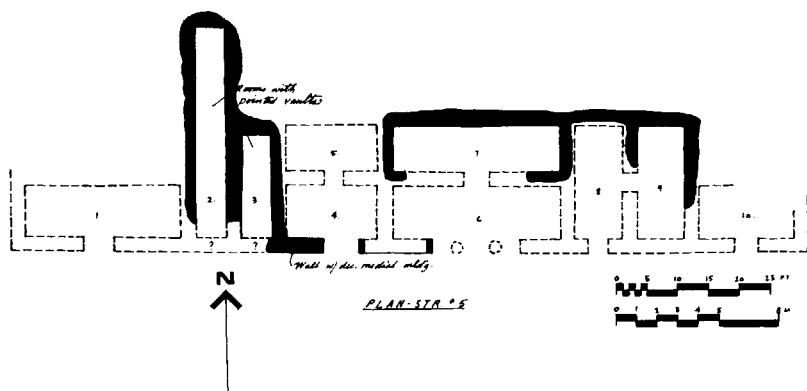
*Decoration:* In debris in front of these rooms (toward east end) we found a sculptured figure, about .61m. high, with tenon on back that probably came from upper facade (see photo).

**CORNICE:** No data - now fallen.

**ROOF STRUCTURE:** None.

**ARCHITECTURAL STYLE:** Uncertain, due to lack of facade details.

**COMMENTS:** Stonework similar to that seen in both Colonnade and Mosaic style buildings elsewhere, indicating Late Classic building.





SITE: NOHCACAB I

STRUCTURE <sup>2</sup>/<sub>4</sub> (Base of Pyramid - rear)

INTERIOR DETAILS:

ROOM 1: No data - completely fallen.

ROOM 2: See separate data sheet.

ROOM 3

Length: 4.99m.

Width: 1.50m.

Vault: Pointed vault, as in adjacent Room 2.

ROOM 4

Doorway: Exterior doorway 1.80m. wide.

ROOM 5: No data - fallen.

ROOM 6

Length: 8.20m.

Width: No data.

Doorway: Left doorjamb, which is .65m. deep, has offset at top, a detail which is normally found only where there are 1 or more round columns in doorway, with square or rectangular capitals. Assume doorway of this room had 2 round columns.

ROOM 7

Length: 8.20m.

Width: 2.23m.

VAULTS

Springline Offset: .17m.

Height: 1.73m. - springline to bottom of capstone.

Form: Vault face has straight side.

Stonework: Vault faced with 6 courses of large, wedge-shaped stones with beveled faces.

Capstones: Capstone span .43m., molding below .77m. high.

ROOM 8: No data - fallen.

ROOM 9: No data - fallen.

ROOM 10: No data - fallen.

SITE: NOHCACAB I

STRUCTURE 4

INTERIOR DETAILS:

ROOM 2

DIMENSIONS:

*Length:* 10.15m.*Width:* 1.47m.**WALLS:** No data - room mostly filled with debris.**VAULTS:***Springline Offset:* Varies, .06 - .10m.*Height:* 2.49m. - springline to top of vault.*Form:* Vault comes to a point at top - no capstones.*Stonework:* Vault faced with 9 courses of wedge to semi-boot-shaped stones with moderately well-cut, squarish faces.*Capstones:* None.*Crossbeams:* No data.**OBSERVATIONS:** Pointed vaults are very rare, but not unique.

Hokkaido Lab

**SITE:** NOHOCH CEP

**NUMBER** 16 Qd (10): 23

**DATE:** 3/23/1985

**BACKGROUND:** Although there were no descriptions of site prior to my first visit in 1983, this site was recorded under correct name in Archaeological Atlas of Yucatan (1980) and sacbe system centered on Nohoch Cep group was shown in diagram by Antonio Benavides (personal communication). Dunning (1986) made a sketch map of part of site and later made a large map (1987) showing Nohoch Cep group in relation to greater Yaxhom area.

**SITUATION:** The ruins are situated about 3.5 kilometers west of the modern village of Cooperativa and the principal group of structures begins about 100 meters southwest of the Ruta Puuc highway.

**TOPOGRAPHY:** The site itself is on relatively flat ground, which rises appreciably to the south in the direction of the Nucuchtunich Group.

**WATER SUPPLY:** None noted, although there must be chultuns present.

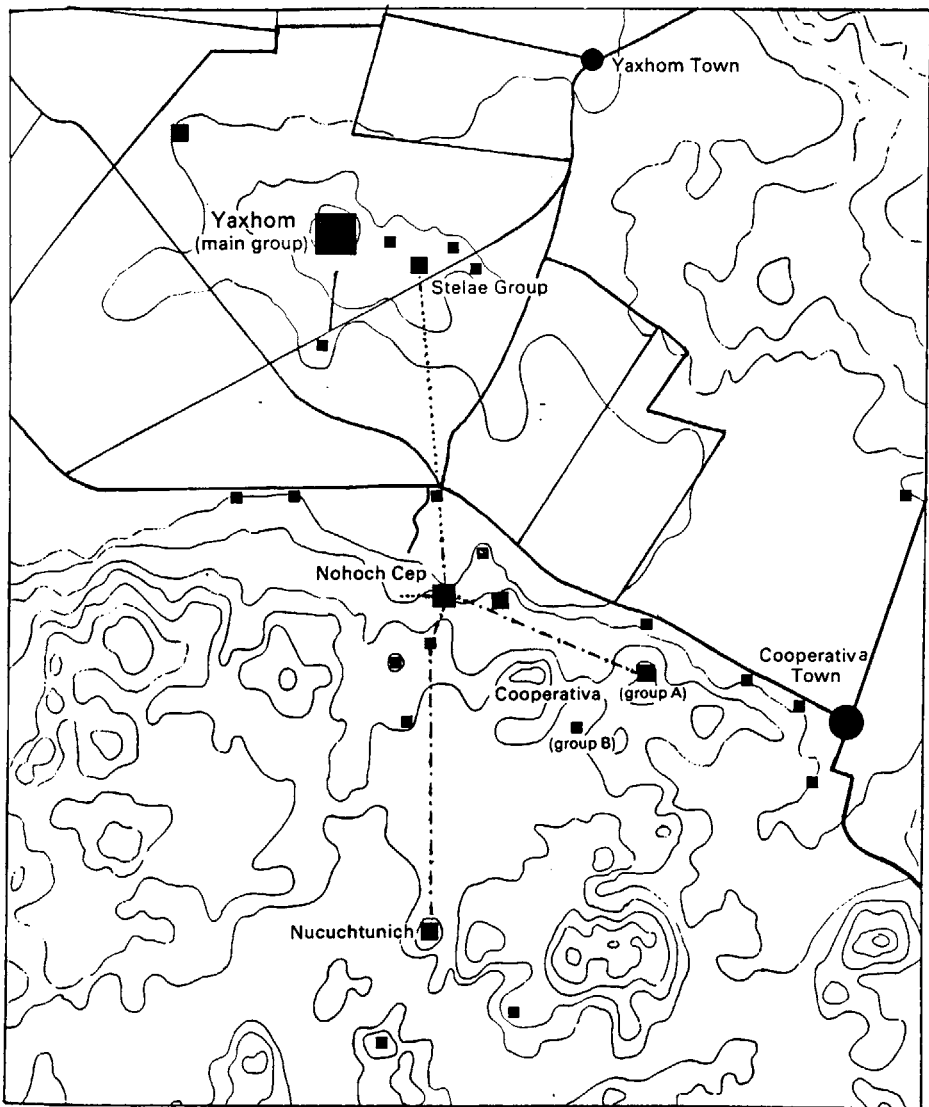
**MAPS:** See GFA sketch map and Dunning map of Yaxhom region included with this report.

**SIZE:** The Nohoch Cep group consists of a dozen or so mounds scattered over an area of about 300 meters north-south by 150 meters east-west. Included are several moderately large structures, as well as a megalithic style pyramid about 8 meters high.

**CIVIC PLAN:** The site center is formed by several large courtyards and their surrounding structures. As shown in Dunning's sketch map, three major sacbes radiate out from group; one running south in the direction of Yaxhom, one running west toward Cooperativa, Group A, and one southward toward Nucuchtunich. Dunning also mentions a fourth sacbe leaving the Nohoch Cep group heading westward, but this could not be traced on the ground.

**COMMENTS:** Dunning (1987, 1988) has shown that the ruins of Nohoch Cep are one of a number of outlying groups which are part of the greater Yaxhom conurbation, and that the Nohoch Cep group lies at the hub of the Yaxhom

sacbe system. I suspect that the sacbe system is fairly early and this assumption is strengthened by the fact that both the Nohoch Cep and Nucuchtunich groups incide megalithic scaled architectural remains, which surely antedate the classic Puuc remains found throughout the Yaxhom area.



0 500 meters

contour: 10 meters

Incomplete map of  
sites around Yaxhom

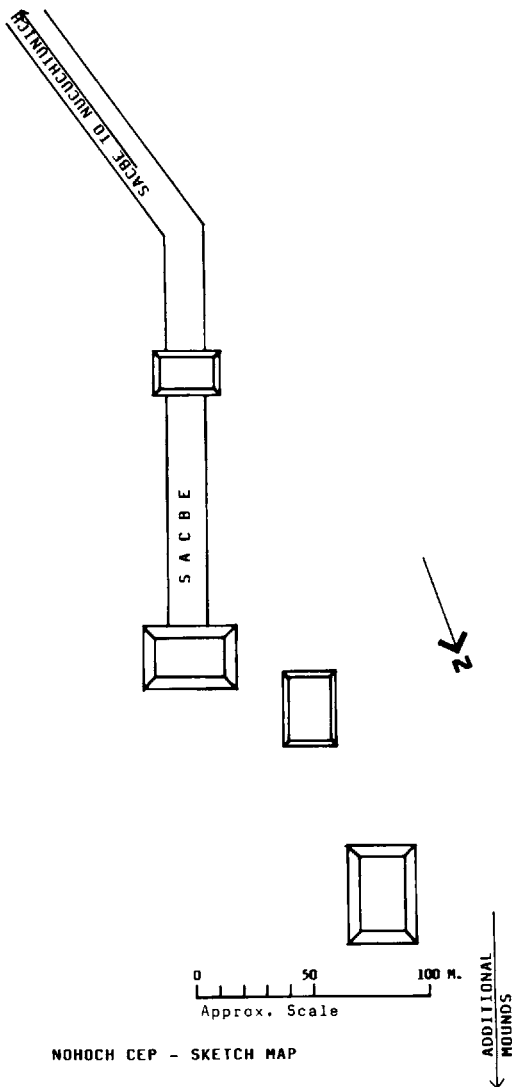
- ruin group
- modern town
- - - sacbe
- ... probable sacbe
- modern road

N. P. Dunning

SITE: NOHOCH CEP

NUMBER:

DATE: 3/23/85



NOHOCH CEP - SKETCH MAP





**SITE:** NOHPAT      **NUMBER:** 16 Qd(10): 3      **DATE:** 5/7/88 & 3/24/83

**BACKGROUND:** Site was first reported by John Lloyd Stephens (1843) who located the "great mound" (Structure 1, Group 1) as well as a number of sculptured monuments. Pollock (1980) added additional information on some of the same sculptures seen by Stephens and showed a section of the sacbe running from Nohpat to Kabah and Uxmal. His report did not include any architectural data since he reported all buildings were fallen. I visited the site on two different occasions (1978 and 1983) and my notes include some data on building remains, although we were only able to locate bits and pieces of walls and vaults. More recently, Dunning (1987) spent several hours at the site and produced a rough sketch map (see below).

**LOCATION:** Dunning (1987) gives location as 6.5 kilometers west-southwest of Santa Elena, and UTM coordinates as BT177485. My notes say site is 6-8 kilometers from Uxmal, on straight line and can be reached via a dirt road connecting to Campeche-Merida highway. About 4 kilometers on dirt road to site.

**TOPOGRAPHY:** Site is relatively flat and Dunning (1987) reports that main part of site is situated on a series of low rises along southern edge of a wide basin. Several small savannas adjacent to site, with Nohpat savanna to Northwest.

**WATER SUPPLY:** Numerous chultunes, and Dunning reports at least two aguadas nearby.

**MAPS:** Sketch map prepared by Dunning (1987) is only known map of site, although it is my understanding that a new map is presently being prepared by staff from the Centro Regional Yucatan, INAH.

**SIZE:** Rank 2, According to Dunning, settlement area is about 4.5 square kilometers.

**CIVIC PLAN:** Nohpat is a large and important site which is situated about 8 kilometers from Uxmal, along the Uxmal-Kabah sacbe. Based on present data (which admittedly is minimal), site appears to be about the same size as Kabah

and only slightly smaller than Uxmal. The central core area includes two very large platform complexes, one of which includes the great pyramid which can be seen from Uxmal, as well as smaller, more isolated pyramids and groups of structures, particularly to the south. The central core area is dominated by the main pyramid, which stands on a huge platform about 8 meters high. From the top of this pyramid, the Great Pyramid, Pyramid of the Magician, Dove Cotes building and Palace of the Governor at Uxmal can easily be seen as well as the great church at Santa Elena. Strangely, we could not see the great pyramid at Kabah, although there are no large hills between Nohpat and Kabah. The core area also includes a ballcourt and numerous sculptured monuments, many of which are concentrated in a small area within Group III (see sketch map by Dunning, a copy of which is included with this report).

General scheme is similar to those seen at both Uxmal and Kabah where there are very large platform and courtyard complexes, supporting very large, multilevel buildings. My notes say that both an acropolis-like group, which Dunning calls Group II, and the platform complex supporting the main pyramid (Group I) rival anything seen at either Uxmal or Kabah in terms of mass, height, and overall size. Dunning relocated sacbe to Uxmal, which is shown on west side of central core where it crosses the dirt road giving access to the site.

**SITE:** NOHPAT    **NUMBER:** 16 Qd (10): 3    **DATE:** 5/7/78 & 3/24/83

**STRUCTURE:** GROUP 1, STRUCTURE 1

**NOTES ON PYRAMIDAL SUBSTRUCTURE:**

Stepped sites of pyramid are faced with roughly dressed megalithic-type stones. 1.06 meters long, .46 to .53 meter high, and .61-.71 meters deep. Lowest step of pyramid is about 3.33 meters high. Platforms supporting pyramid and other structures is 8 to 10 meters high.

**SUPERSTRUCTURE 2, STRUCTURE 1**

(See separate sheet)

SITE: NOHPAT

NUMBER: 16 Qd (10) 3

DATE: 5/7/1978

STRUCTURE: STRUCTURE 1, GROUP I

GENERAL DESCRIPTION: Remnant of building (Temple ?) on top of Great Pyramid.

EXTERIOR DETAILS: Details below are for North wall.

ORIENTATION: Main facade (now fallen) appears to have faced south.

**BASE MOLDING:**

Form: Single member, rectangular molding.

Size: .20-.25 meters high.

Projection: .037 m. at top.

**LOWER WALL ZONE:**

Height: 2.35 m. top of base to bottom of medial molding.

Stonework: Wall faced with 5 courses of good sized veneer-type blocks. Blocks are .30-.40 m. wide, .46-.53 m. high, about .23 m. deep.

Thickness: Approximately .63 meters.

Decoration: None.

DOORWAYS: No data - fallen.

**MEDIAL MOLDING:**

Form: Unknown. Only lowest apron-type member still in place.

Size: Lower member about .20 m. high.

Projection: About .15 m. at bottom.

Decoration: No data.

UPPER WALL ZONE: Fallen - no data.

**SITE:** NOHPAT

**NUMBER:** 16 Qd (10): 3

**DATE:** 5/7/1978

**STRUCTURE:** STRUCTURE 1, GROUP I, Superstructure

**INTERIOR DETAILS:** - Rear room

**DIMENSIONS:**

Length: Unknown.

Width: .84 m.

**WALLS:**

Height: 2.55 m. (approx.) floor to springline.

Thickness: .63 m.

Stonework: Wall faced with small, veneer-type blocks.1

Doorways: No data - fallen.

Rod Sockets: No data.

Cordholders: No data.

Wall Openings: No data.

**VAULTS:**

Springline Offset: .06 m. long wall.

Height: Unknown - only 2 courses in place.

Form: Uncertain. Springline course has vertical faces. Course above cut to shape of vault.

Stonework: Springline course .20 m. high, course above has boot shape and is .33 m. high.

Capstones: No data.

Crossbeams: No data.

**OBSERVATIONS:** Typical classic Puuc specialized stones from walls, vaults, and moldings in debris.

**SITE:** NOHPAT

**NUMBER:** 16 Qd(10): 3

**DATE:** 5/7/1978

**STRUCTURE:** GROUP II, STRUCTURE 1

Two-story "palace" type structure with stairways on east and west sides. Upper level supported on platform about 1.4 meters high with colonnettes above typical class Puuc three-member molding (see sketch). Dunning (19887) noted that rooms on east side of lower level were filled with rubble in order to support platform and rooms added on upper level. No data on exterior of either lower or upper level rooms, but see separate sheet for details of lower level room at north end. Rooms on west side similar to this room.

**SITE:** NOHPAT

**NUMBER:** 16 Qd (10): 3

**DATE:** 5/7/1978

**STRUCTURE:** GROUP II, STRUCTURE 1

**INTERIOR DETAILS** - Room at North End

**DIMENSIONS:**

Length: 6.08 m.

Width: 1.97 m.

**WALLS:**

Height: Uncertain - room partly filled with debris.

Thickness: Dividing wall to adjacent room to south .86 m. thick.

Stonework: Walls faced with well cut, veneer-type blocks

Doorways: No data.

Other: Outside wall completely fallen.

**VAULTS:**

Springline Offset: .07 m. (approx.).

Height: 3.14 m. springline to bottom of molding below capstones.

Form: Vault faces have straight sides.

Stonework: Vault faced with well cut, wedge to boot-shaped specialized stones.

Springline course .33 m. high.

Capstones: Capstone span about .27 m. Molding below capstones .15 m. high.

Crossbeams: Row of crossbeams just below capstone molding .91 m. on center.

**OBSERVATIONS:** All stonework is in very best classic Puuc tradition.







